



REPORT ON CANCER IN NEVADA 1997-2001

A Comprehensive Report on Cancer from:
Nevada Central Cancer Registry
Nevada Death Registry
Nevada Inpatient Hospital Discharge (UB92)
Behavioral Risk Factor Surveillance Survey (BRFSS)

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September 2004

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ACKNOWLEDGEMENTS

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Cover Art Courtesy of:

Hardin MD online medical pictures at:
<http://www.lib.uiowa.edu/hardin/md/pictures.html>.

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PREFACE

This report provides a comprehensive overview of the risks and burden of cancer in Nevada from 1997 to 2001. Cancer represents a group of diseases that will affect nearly half of the population at some time during their lifetime. Nationally, cancer-related costs total billions of dollars in treatment annually. Cancer has also consistently been the second leading cause of death for Nevada and the Nation for the last 20 years. This report provides a variety of information on cancer from four different data sources and has been organized to focus on specific aspects of cancer, (e.g. screening, diagnosis, inpatient treatment, mortality, and survival rate) with each section adding to the overall picture of cancer in Nevada.

The first section provides a comparison of the 22 leading types of cancer that comprise 91.8% of all types of cancer in Nevada; including incidence, inpatient hospital discharges, mortality, and survival rate subsections for comparison.

The second section includes various statistics on all cancers, reported among Nevada residents, to provide a complete look at cancer in the state. There are subsections for diagnosis, treatment, mortality and survival rate statistics for the 1997 to 2001 period.

The top ten leading types of cancer diagnosed in Nevada from 1997 to 2001, which accounts for 74.9% of the total number of cancer cases, are then highlighted within their own section to provide a more detailed look at the types of cancer that are most prevalent in Nevada. The reader should note that these types of cancer are presented based on the number of cases reported. Therefore, those cancers whose ranking is within the top ten based on inpatient discharges or mortality are not necessarily highlighted within their own section.

Statistics on those cancers not highlighted in the top ten sections are available in the Overview section and in a general section for All Other Cancers at the end of this report, where the remaining twelve leading cancers are briefly profiled.

Each major section in this report includes regional, gender, racial/ethnic, and age statistics in order to draw attention to potential targets for prevention and treatment efforts. These efforts in prevention and treatment will help to achieve progress toward reducing the risks and burden of Cancer in Nevada.

For note, trend statistics are not included in this edition of the *Report on Cancer in Nevada* since the estimated completeness of earlier cancer reporting was significantly lower than in more recent years, which would significantly affect any trends that would be included in this report. However, trend information will be included in the next edition.

This report is also available online at the Center for Health Data and Research's website: <http://health2k.state.nv.us/nihds/publications/index.htm>

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TECHNICAL NOTES

This report brings together information from four primary data sources. The Nevada Central Cancer Registry (NCCR) within the Bureau of Health Planning and Statistics provided cancer incidence data. The Center for Health Information Analysis at the University of Nevada, Las Vegas (UNLV) provided inpatient hospital discharge (UB92) data. The Office of Vital Records (OVR), also within the Bureau of Health Planning and Statistics, provided the mortality data for this report. The Center for Applied Research at the University of Nevada, Reno (UNR) provided the Behavioral Risk Factor Surveillance System (BRFSS) data that were used to determine the rates of cancer screening.

General considerations that were made for this report include:

- **Aggregation of Data**

This is a statistical report. Every attempt has been made to present the data in a format that does not allow the identification of any individual. While demographic information such as sex, race/ethnicity and age has been included in aggregate form, no attempt should be made to identify any individual detailed in this report.

- **Types of Cancer Classification Systems**

The classification of the types of cancer was based upon a different coding system for each data source. The NCCR uses the International Classification of Disease, Oncology coding structure (ICD-O) that includes Topography (Primary Site) as well as Morphology (Tumor Type). This is similar to the ICD-10 system used in the 1999 and 2001 mortality data, to classify types of cancers. The 1997 to 1998 mortality data were coded using the ICD-9 classification system, which was also used by the inpatient hospital discharge data. A more detailed description of the codes used for this report is listed under considerations for each data source below, as well as in Appendix B.

- **Each data source is exclusive**

While this report presents cancer data from four different sources, it is important to remember that each dataset is external to the others. Individual records were not linked for this report, so caution should be used when comparing data from each data source.

- **Selection of Residence**

Only those events where the person was recorded as a Nevada resident at the time of diagnosis, time of discharge or time of death were included in this report. Those individuals who were listed as an Out of State resident were excluded.

- **County/Region of Residence**

This report details regional data as: Clark County, Washoe County and All Other Counties, as regions. This aggregation of the 15 remaining counties within Nevada was implemented to accommodate the significantly smaller population

sizes in these counties. Aggregation of the smaller population minimizes any fluctuations in the disease rates presented in this report that may occur due to the large variance in the number of cancer events for each area due to the small size of the resident population for these remaining counties. The counties included in the All Other Counties region are: Carson City, Churchill, Douglas, Elko, Esmeralda, Eureka, Humboldt, Lander, Lincoln, Lyon, Mineral, Nye, Pershing, Storey, and White Pine.

- **Map Representation**

The maps presented in this report are provided to facilitate visual comparisons of rates within the state. However, caution should be used when interpreting these rates due to the small cell size and large variance that are present within many of the smaller counties in Nevada.

- **Gender Specific Cancer Rates**

For gender specific cancers, such as Prostate, Female Breast, Cervix Uteri, Corpus Uteri & Uterus Not Otherwise Specified (NOS), and Ovary Cancers the rates listed in this report are per 100,000 gender-specific population, unless otherwise noted.

- **Calculation of Rates and Confidence Intervals**

Rates and their respective confidence intervals were not calculated for those categories where the number of events was less than ten.

- **Racial/Ethnic Groups**

Race/ethnicity groups used in this report: White, Black, Native American, Asian, and Hispanic were calculated to be mutually exclusive, except for the National rates where a similar population base could not be calculated. So, National rates for racial/ethnic groups are calculated based on either the race or ethnicity listed on the record. These rates may not be directly comparable with others listed in this report.

While every effort was made to develop reliable comparisons between all the data sources, each source had their own unique factors to consider. Below, in detail, are the specific differences between each source and how this report uses each type of information.

CANCER INCIDENCE STATISTICS:

The cancer incidence statistics used for this report are from the NCCR, which compiles cancer cases that are reported by, or abstracted from, hospitals and pathology labs in Nevada. Both Chapter 457 of the Nevada Revised Statutes and those regulations adopted by the State Board of Health regulate the Nevada Central Cancer Registry. More information on the reporting of information on cancer can be found under Chapter 457 of the Nevada Administrative Code. The NCCR also receives information from other states on Nevada residents who were diagnosed, or are being treated, in other states. The main considerations for this data source include:

- **Cancer Registry Reporting**

The NCCR is a population-based registry. The validity of the numbers and rates used in this report depend on the completeness of cancer reporting, as well as the accuracy of the population estimates used. The North American Association of Central Cancer Registries (NAACCR) estimates the most current year of data presented in this report (2001) at 100% complete for case ascertainment and meets all other requirements for gold certification. The estimated average completeness for case ascertainment over the five years of data presented in this report is 93.2%, which exceeds the 90% case ascertainment requirement set by NAACCR for gold certification.

- **Updated Data**

The NCCR is constantly being updated with new information, so the numbers published in this report may not match, or be directly comparable, with previously published data. The data that are presented in this report are from the NCCR as of June 2004.

- **Type of Cancers Reported**

The number of cases included in this report are those reported as having an invasive disease, except for Breast and Urinary Bladder Cancer that also include those diagnosed with an in situ cancer. This distinction is not available in the other data sources.

- **Type of Cancer Classification System**

The type of cancer was classified based on ICD-O2 Topography and Morphology codes. These codes provide levels of detail to the type of cancer that are not included in either the inpatient hospital discharge or mortality data. A detailed list of the actual groupings used for cancer incidence data, using both Topography and Morphology codes, can be found in Appendix B.

- **Survival Rates & Calculation**

The survival rates listed in this report may not be directly comparable to National survival statistics. The reader should exercise caution in comparing statistics listed in this report to those nationally reported. Major factors that should be considered are:

1. The survival rates do not include those reported as an Autopsy Only or Death Certificate Only (DCO) case.
2. Only those individuals who died from cancer and those still alive at last update are included in these calculations. Those dying from other causes of death are not included. However, it should be noted that the cause of death is not necessarily specific to the type of cancer listed at time of diagnosis. This is to include those cases where the cancer may have metastasized to another site.
3. The NCCR actively matches registry records to the Nevada Death Registry on a continuous basis. National statistics are usually based on

data submitted at a certain point in time without future updates and data improvements. While calculations account for this difference, caution should be used when comparing the two areas.

4. Those individuals who are recorded as having multiple primaries are included for the first primary only.
5. Calculations exclude records with invalid dates and unknown ages.
6. National statistics typically exclude those cases not actively followed. This report does not make this exclusion.

INPATIENT HOSPITAL DISCHARGE STATISTICS:

Inpatient Hospital Discharge data used for this report were compiled by the Center for Health Information Analysis (CHIA) at the University of Nevada, Las Vegas (UNLV/CHIA) from the universal billing form #92, (UB92) for inpatient hospital discharges. These data represent patients discharged from January 1, 1997 through December 31, 2002, inclusive. This information was gathered and computerized by UNLV/CHIA as part of a contractual agreement between the Department of Human Resources and the University of Nevada under the authority granted in Section 439B of the Nevada Revised Statutes. The information was then given to the Center for Health Data and Research where it was analyzed for this report.

The main considerations for this data source include:

- **Primary Diagnosis Selection**

The number of resident inpatient discharges detailed in this report is based on a primary diagnosis of cancer. However, the database contains up to fourteen additional diagnoses. The difference between the two classifications is that there were 59,688 inpatient discharges that had cancer as any of the fifteen diagnoses. The number drops to 33,235 for those with cancer as the primary diagnosis. So, approximately 58.6% of the inpatient discharges related to cancer are published in this report. This was done to minimize any confusion that might occur from someone being treated for different types of cancer, as well as to focus on those discharges where cancer was the primary reason for being admitted.

- **Occurrence Based Data**

These statistics are based on the occurrence of inpatient hospital discharges. An individual could be counted more than once had they been admitted to the hospital for cancer more than once during this period. So, caution should be used when comparing inpatient hospital discharge data to the other data sources in this report.

- **Type of Cancer Classification System**

The inpatient hospital discharge statistics were coded with the ICD-9 system. This is the same structure that is used for the 1997 to 1998 mortality data. However, mortality data changed in 1999 to the ICD-10 version. A detailed list of the codes used to produce the groupings provided in this report for inpatient hospital discharge statistics can be found in Appendix B.

- **Racial/Ethnic Groups**

Race/ethnicity information is not available in this database.

MORTALITY STATISTICS:

Mortality statistics used in this report are from the Nevada Death Registry maintained by the Office of Vital Records. The OVR, within the Bureau of Health Planning and Statistics, is the official government entity that collects, processes and maintains the State of Nevada's vital records. Deaths are first recorded at the county level before being forwarded to the State Registrar. Funeral Directors, or persons acting as such, are legally charged with filing death certificates.

These certificates are checked for completeness and accuracy and then entered into a database on the State mainframe computer system. When a certificate is found to be inaccurate or incomplete, staff follow up with the providing entity in accordance with NRS 440.150 to make the necessary corrections and/or additions to make the record satisfactory and complete. It should be noted that the quality of mortality data presented in this report is directly related to the accuracy and completeness of the information contained on the death certificates.

The main considerations for this data source include:

- **Underlying Cause of Death**

The mortality data presented in this report are classified by the underlying (primary) cause responsible for death. Only those deaths where the underlying cause of death was cancer are included in this report.

- **Type of Cancer Classification System**

The 1997 to 1998 data used for this report were originally coded using the ICD-9 coding structure, while the 1999 and 2002 data were coded using the ICD-10 system. The ICD-9 system is a purely numeric coding system while the ICD-10 is an alphanumeric system. While there are many similarities between the ICD-9 and ICD-10 groupings, there are some differences between the types of cancer within the two versions. While there are comparability ratios available for the conversion between the two systems, the groups used in this report are based upon some customized groupings of which comparability ratios are unavailable. The mortality numbers in this report have not been adjusted for coding differences that may have occurred with the transition from the ICD-9 to ICD-10 system. A detailed list of the actual groupings used for cancer mortality data, with both the ICD-9 and ICD-10 codes, can be found in Appendix B.

CANCER SCREENING STATISTICS:

The cancer screening data shown in this report come from the Behavioral Risk Factor Surveillance System (BRFSS), which is funded by the Center for Disease Control and Prevention (CDC). The data were compiled by the Center for Applied Research at the University of Nevada, Reno (UNR/CAR), through the nation's largest telephone survey. The survey covers years from 1996 to 2001. This information was gathered and computerized by the Center for Applied Research as part of a contractual agreement between the Department of Human Resources and the University of Nevada. The information was then given to the Center for Health Data and Research where it was analyzed for this report.

The main considerations for this data source include:

- **Age of Respondents**

The survey covers only those people 18 years of age and older.

- **Frequency of questions**

The tables presented in this report are not for 1996 to 2001 inclusively. Some of the questions were asked on alternate years, while some have only been asked once. So, caution should be used when comparing these data.

- **Weighted percentages**

The percentages listed in this report are weighted on the survey population characteristics and may not match percentages that are directly calculated from the numbers listed in the table.

NATIONAL STATISTICS:

The only national cancer statistics provided in this report are for cancer incidence. This information is from the National Cancer Institute's Surveillance, Epidemiology and End Results (SEER) program. This program is the most comprehensive source of population-based cancer incidence information available for the United States. SEER covers approximately 14 percent of the US population through 11 population-based cancer registries and three supplemental registries.

The information presented in this report is based upon the customized use of SEER's public-use data featured within the SEER*Stat program. The databases used for calculations were the "SEER 11 Registries Public-Use Nov 2001 Sub for Expanded Races (1992-2001)" and "SEER 11 Registries Public-Use Nov 2001 Sub for Hispanics (1992-2001)". These databases are based upon SEER's 11 population-based cancer registries, which are: Atlanta, Connecticut, Detroit, Hawaii, Iowa, Los Angeles, New Mexico, San Francisco-Oakland, San Jose-Monterey, Seattle-Puget Sound, and Utah. These registries have been designed to represent the incidence of cancer within the aggregate population of the United States.

The main considerations for this data source include:

- **Aggregation of Data**

National statistics published in this report follow the guidelines in the SEER Public-Use data agreement. Therefore, those categories where the number is less than five are not shown.

- **Cancer Registry Reporting**

The national data in this report are based upon data collected from population-based registries. The validity of the numbers and rates used in this report depend upon the completeness of the cancer reporting, as well as the accuracy of the population estimates used.

- **Period of Reportable Data**

The most recent SEER data available are for the 1995 to 2001 period. So, it should be noted that comparisons in this report are based upon the 1997 to 2002 period for Nevada and the 1996 to 2001 period nationally.

- **Type of Cancers Reported**

The number of cases listed in this report are those cases reported as having malignant behavior, except for Breast and Urinary Bladder Cancer that include those diagnosed with an in situ behavior, in order to be comparable with Nevada data.

- **Prostate Cancer Stage Revision**

Prostate Cancer cases where the stage of cancer at time of diagnosis was originally coded as “Localized/regional (Prostate Cases 1995+)” are shown as localized within this report. Therefore, there will not be any regionally diagnosed cases of Prostate Cancer for the Nation listed in this report.

- **Racial/Ethnic Groups**

Race/ethnicity groupings, similar to Nevada, were not available for rates, since the population estimates provided in SEER*Stat were not organized in a similar format. Rates were available by either race or ethnicity, which means that the national rates presented in this report represent rates of Whites, Blacks, Native Americans and Asians (of any ethnicity) and Hispanics (of any race). Caution should be used when interpreting these rates, which may not be directly comparable with others listed in this report.

POPULATION ESTIMATES:

The Nevada population data used in this report are based on the database established by the Nevada State Demographer’s Office and the Nevada Department of Taxations, as well as 1990 and 2001 Census data from the US Bureau of the Census.

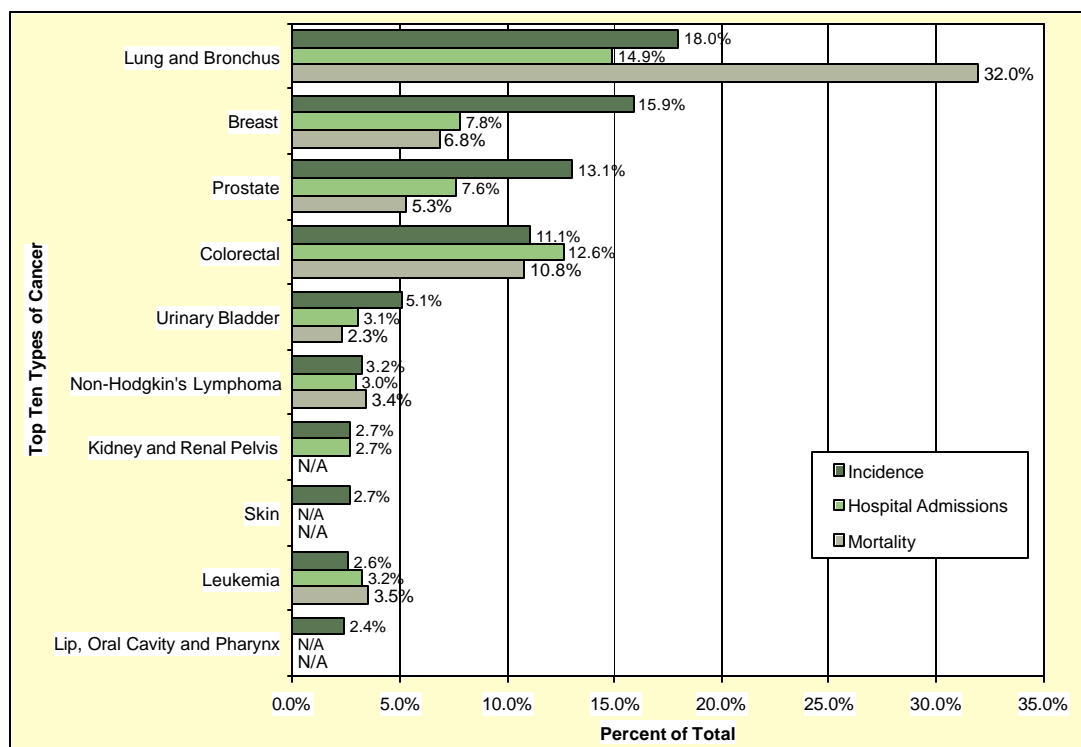
OVERVIEW

OVERVIEW

HIGHLIGHTS

- Lung and Bronchus Cancer was the leading type of cancer for incidence, inpatient hospital discharges and mortality in Nevada from 1997 to 2001. This type of cancer accounted for 18.0% of the total cancer incidence, 14.9% of all cancer inpatient hospital discharges, and 32.0% of cancer mortality during this period.
- Thyroid Gland Cancer had by far the highest comparison ratio of incidence to mortality age-adjusted rates of any type of cancer in Nevada from 1997 to 2001, with a ratio of 20.54. This means that for every 100 deaths from Thyroid Gland Cancer there would be 2,054 cases. The second leading type was Uterine Cancer with a ratio of 5.98.
- Pancreatic Cancer had the lowest comparison ratio of incidence to mortality age-adjusted rates of any type of cancer in Nevada, with a ratio of 1.10 during this period. This means that for every 100 deaths from Pancreatic Cancer there were 110 cases. The second lowest leading type of cancer, Liver and Intrahepatic Bile Ducts, had a ratio of 1.20.

Figure 1. Top Ten Leading Types of Cancer by Percentage of Total Incidence, Discharges and Mortality, Nevada Residents, 1997-2001



Note: "N/A" indicates that this type of Cancer was not in the Top Ten for the respective data source.

Figure 2. Highest Incidence to Mortality Age-Adjusted Rate Ratios by Type of Cancer, Nevada Residents, 1997-2001

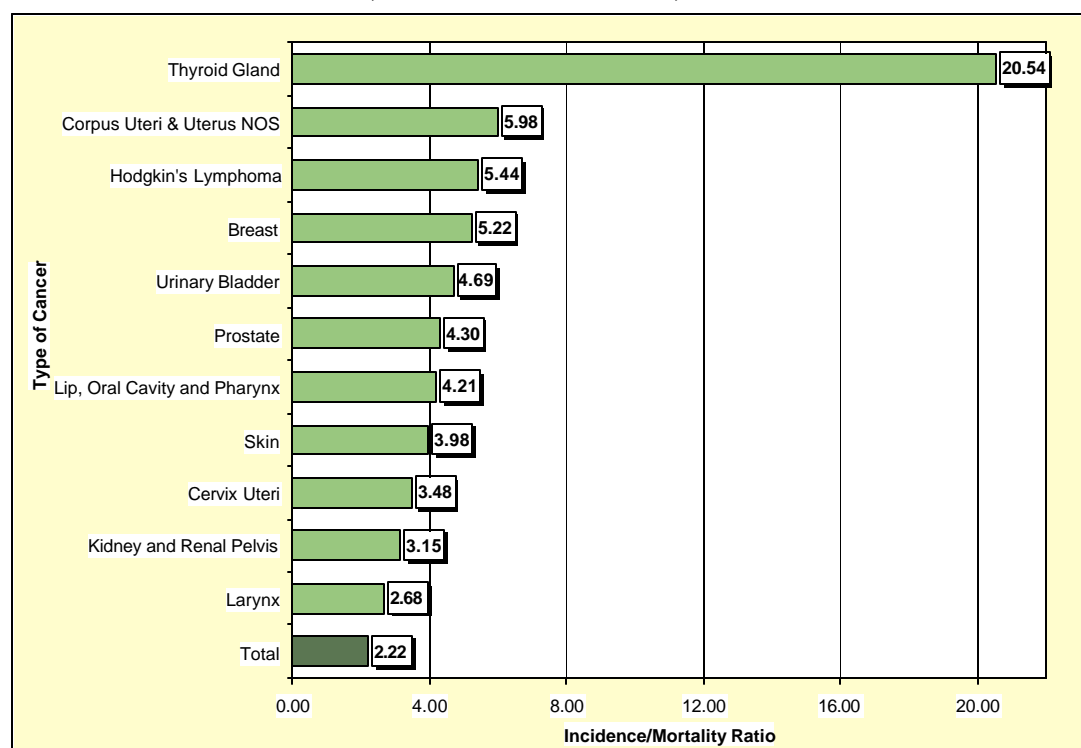


Figure 3. Lowest Incidence to Mortality Age-Adjusted Rate Ratios by Type of Cancer, Nevada Residents, 1997-2001

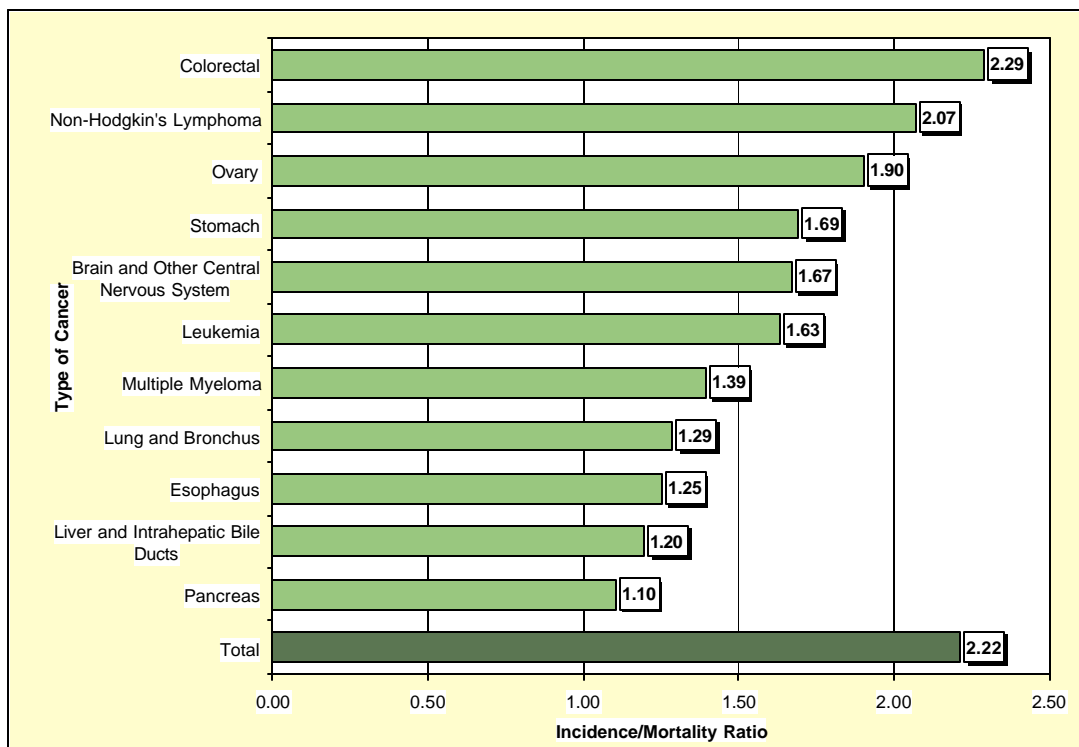


Table 1. Nevada Incidence, Inpatient Hospital Discharges and Mortality by Type of Cancer, Nevada, 1997-2001

Type of Cancer	Incidence		Inpatient Discharges		Mortality	
	Number	Rate*	Number	Rate*	Number	Rate*
Total	40,863	453.43	33,235	364.78	17,459	204.62
Lip, Oral Cavity and Pharynx	994	10.62	526	5.55	225	2.53
Lip	49	0.53	8	---	1	---
Base of Tongue	140	1.44	79	0.81	3	---
Other & Unspecified Parts of Tongue	154	1.62	97	1.03	60	0.64
Parotid Gland	69	0.77	47	0.50	13	0.15
Other & Unspecified Major Salivary glands	29	0.32	9	---	3	---
Floor of Mouth	85	0.93	59	0.60	4	---
Gum	21	0.23	27	0.30	3	---
Palate	39	0.41	12	0.13	4	---
Other & Unspecified Parts of Mouth	52	0.58	27	0.29	25	0.29
Nasopharynx	50	0.54	23	0.24	24	0.26
Tonsil	125	1.31	46	0.48	15	0.16
Oropharynx	44	0.47	23	0.23	8	---
Pyriform Sinus	46	0.49	20	0.21	0	---
Hypopharynx	33	0.35	25	0.28	3	---
Other & Unspecified Oral (Buccal) Cavity & Pharynx	58	0.65	24	0.26	59	0.68
Digestive System	7,357	84.57	6,591	75.45	4,003	47.36
Esophagus	481	5.30	297	3.23	384	4.23
Stomach	565	6.67	583	6.64	325	3.94
Small Intestine	106	1.17	135	1.48	28	0.32
Colon (excluding Rectum)	3,213	37.79	2,825	33.22	1,603	19.53
Cecum	672	8.05	548	6.66	6	---
Appendix	35	0.39	25	0.27	2	---
Ascending Colon	424	5.09	543	6.44	3	---
Hepatic Flexure	109	1.28	99	1.21	0	---
Transverse Colon	245	2.88	250	2.95	1	---
Splenic Flexure	91	1.03	101	1.18	0	---
Descending Colon	147	1.63	155	1.73	0	---
Sigmoid Colon	917	10.35	793	9.14	11	0.12
Large Intestine, NOS	573	7.09	311	3.63	1,580	19.23
Rectum	770	8.62	662	7.52	200	2.31
Rectosigmoid Junction	421	4.68	576	6.41	64	0.77
Anus, Anal Canal and Anorectum	126	1.34	133	1.47	24	0.27
Liver	442	4.87	308	3.28	351	4.03
Intrahepatic Bile Ducts	73	0.85	39	0.45	64	0.74
Gallbladder	61	0.74	38	0.47	43	0.53
Other & Unspecified Biliary Tract	100	1.20	145	1.73	34	0.42
Pancreas	951	10.84	741	8.36	845	9.82
Retroperitoneum	32	0.35	53	0.57	6	---
Peritoneum, Omentum and Mesentery	3	---	52	0.56	7	---
Other Digestive Organs	13	0.14	4	---	25	0.31
Respiratory System	7,758	86.35	5,337	58.35	5,729	65.24
Nasal Cavity and Middle Ear	31	0.36	11	0.12	0	---
Accessory Sinuses	23	0.24	17	0.18	11	0.12
Larynx	348	3.78	203	2.18	124	1.41
Lung and Bronchus	7,336	81.77	4,965	54.28	5,582	63.56
Pleura	3	---	66	0.78	4	---
Trachea	4	---	18	0.19	1	---
Mediastinum and Other Respiratory Organs	13	0.13	57	0.62	7	---
Bones, Joints and Articular Cartilage	90	0.95	116	1.23	37	0.44
Bones, Joints & Articular Cartilage of Limbs	43	0.46	48	0.51	1	---
Bones, Joints & Articular Cartilage of Other & Unspec Sites	47	0.49	68	0.71	36	0.43
Soft Tissue (Including Heart)	215	2.32	125	1.38	121	1.34
Heart	1	---	2	---	8	---
Peripheral Nerves & Autonomic Nervous System	8	---	0	---	3	---
Connective, Subcutaneous & Other Soft Tissues	206	2.23	123	1.36	110	1.23

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.

Note: The "—" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 1. Nevada Incidence, Inpatient Hospital Discharges and Mortality by Type of Cancer, Nevada, 1997-2001 (Continued)

Type of Cancer	Incidence		Inpatient Discharges		Mortality	
	Number	Rate*	Number	Rate*	Number	Rate*
Total	40,863	453.43	33,235	364.78	17,459	204.62
Skin (Excluding Basal And Squamous)	1,189	12.82	240	2.72	345	3.89
Melanomas Of The Skin	1,083	11.59	83	0.91	264	2.92
Other Non-Epithelial Skin	106	1.23	157	1.81	81	0.98
Breast	6,493	70.45	2,608	28.45	1,195	14.02
Female Genital System*	2,250	47.38	2,349	49.24	690	15.03
Cervix Uteri*	497	10.39	646	13.39	140	2.99
Corpus Uteri*	808	16.94	801	16.73	59	1.30
Uterus, NOS*	44	0.96	27	0.58	75	1.70
Ovary*	737	15.54	669	14.04	376	8.16
Vagina*	39	0.83	53	1.13	12	0.25
Vulva*	112	2.45	117	2.63	15	0.35
Placenta*	1	---	1	---	1	---
Other Female Genital Organs*	12	0.24	35	0.71	12	0.26
Male Genital System*	5,605	131.04	2,605	57.52	943	29.68
Prostate*	5,337	125.66	2,536	56.03	922	29.21
Testis*	237	4.63	51	0.98	17	0.34
Penis*	19	0.48	15	0.45	4	---
Other Male Genital Organs*	12	0.27	3	---	0	---
Urinary System	3,218	36.33	1,995	22.37	748	9.06
Urinary Bladder	2,068	23.86	1,022	11.93	401	5.09
Kidney	1,014	10.96	819	8.73	322	3.69
Renal Pelvis	76	0.84	86	0.96	5	---
Ureter	38	0.44	49	0.54	12	0.14
Other Urinary Organs	22	0.23	19	0.20	8	---
Eye and Orbit	50	0.54	4	---	6	---
Brain and Other Central Nervous System	580	6.21	762	8.05	338	3.71
Brain	540	5.78	706	7.47	335	3.68
Meninges	20	0.21	37	0.39	0	---
Spinal Cord, Cranial Nerves, & Other Parts of CNS	20	0.22	19	0.19	3	---
Endocrine System	757	7.77	1,032	10.56	53	0.61
Thyroid Gland	696	7.12	985	10.06	29	0.35
Adrenal Gland	30	0.33	21	0.22	15	0.17
Other Endocrine (Including Thymus)	31	0.32	26	0.28	9	---
Hodgkin's Lymphoma	214	2.20	116	1.19	38	0.40
Non-Hodgkin's Lymphoma	1,316	14.65	988	11.01	599	7.08
Multiple Myeloma	372	4.20	321	3.49	261	3.02
Leukemia	1,059	12.05	1,080	11.77	614	7.39
Lymphocytic	451	5.03	440	4.72	164	2.06
Acute Lymphocytic	141	1.44	286	2.92	32	0.34
Chronic Lymphocytic	278	3.23	150	1.76	120	1.55
Other Lymphocytic	32	0.36	4	---	12	0.17
Myeloid and Monocytic	478	5.40	573	6.30	249	2.89
Acute Myeloid	330	3.66	458	5.00	180	2.07
Acute Monocytic	17	0.19	9	---	0	---
Chronic Myeloid	108	1.27	103	1.17	53	0.63
Other Myeloid/Monocytic	23	0.28	3	---	16	0.19
Other	130	1.61	67	0.75	201	2.43
Other Acute	49	0.61	47	0.54	88	1.02
Aleukemic, Subleukemic and NOS	81	1.01	20	0.21	113	1.41
Mesothelioma	91	1.08	0	---	46	0.56
Kaposi Sarcoma	54	0.58	2	---	0	---
Other, III-Defined and Unspecified Sites	1,201	13.98	6,438	70.48	1,468	17.57

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.

Note: The "—" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 2. Leading Types of Cancer for Nevada Incidence, Inpatient Hospital Discharges and Mortality, Nevada Residents, 1997-2001

Type of Cancer	Incidence		Hospital Admissions		Mortality	
	Number	Percent	Number	Percent	Number	Percent
Lung and Bronchus	7,336	18.0%	4,965	14.9%	5,582	32.0%
Breast	6,493	15.9%	4,196	12.6%	1,891	10.8%
Prostate	5,337	13.1%	2,608	7.8%	1,195	6.8%
Colorectal	4,530	11.1%	2,536	7.6%	922	5.3%
Urinary Bladder	2,068	5.1%	1,080	3.2%	845	4.8%
Non-Hodgkin's Lymphoma	1,316	3.2%	1,022	3.1%	614	3.5%
Kidney and Renal Pelvis	1,090	2.7%	988	3.0%	599	3.4%
Skin	1,083	2.7%	985	3.0%	415	2.4%
Leukemia	1,059	2.6%	905	2.7%	401	2.3%
Lip, Oral Cavity and Pharynx	994	2.4%	828	2.5%	384	2.2%
Pancreas	951	2.3%	762	2.3%	376	2.2%
Corpus Uteri & Uterus NOS	852	2.1%	741	2.2%	338	1.9%
Ovary	737	1.8%	669	2.0%	327	1.9%
Thyroid Gland	696	1.7%	646	1.9%	325	1.9%
Brain and Other Central Nervous System	580	1.4%	583	1.8%	264	1.5%
Stomach	565	1.4%	526	1.6%	261	1.5%
Liver and Intrahepatic Bile Ducts	515	1.3%	347	1.0%	225	1.3%
Cervix Uteri	497	1.2%	321	1.0%	140	0.8%
Esophagus	481	1.2%	297	0.9%	134	0.8%
Multiple Myeloma	372	0.9%	203	0.6%	124	0.7%
Larynx	348	0.9%	116	0.3%	38	0.2%
Hodgkin's Lymphoma	214	0.5%	83	0.2%	29	0.2%
All Other Sites	2,749	6.7%	7,828	23.6%	2,030	11.6%
Total	40,863	100.0%	33,235	100.0%	17,459	100.0%

Note: Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 3. Top Ten Types of Cancer by Gender, Incidence, Hospital Discharges, and Mortality, Nevada Residents, 1997-2001

Ranking	Total								
	Incidence			Hospital Admissions			Mortality		
	Type	Number	Percent	Type	Number	Percent	Type	Number	Percent
1	Lung and Bronchus	7,336	18.0%	Lung and Bronchus	4,965	14.9%	Lung and Bronchus	5,582	32.0%
2	Breast	6,493	15.9%	Colorectal	4,196	12.6%	Colorectal	1,891	10.8%
3	Prostate	5,337	13.1%	Breast	2,608	7.8%	Breast	1,195	6.8%
4	Colorectal	4,530	11.1%	Prostate	2,536	7.6%	Prostate	922	5.3%
5	Urinary Bladder	2,068	5.1%	Leukemia	1,080	3.2%	Pancreas	845	4.8%
6	Non-Hodgkin's Lymphoma	1,316	3.2%	Urinary Bladder	1,022	3.1%	Leukemia	614	3.5%
7	Kidney and Renal Pelvis	1,090	2.7%	Non-Hodgkin's Lymphoma	988	3.0%	Non-Hodgkin's Lymphoma	599	3.4%
8	Skin	1,083	2.7%	Thyroid Gland	985	3.0%	Liver and Intrahepatic Bile Ducts	415	2.4%
9	Leukemia	1,059	2.6%	Kidney and Renal Pelvis	905	2.7%	Urinary Bladder	401	2.3%
10	Lip, Oral Cavity and Pharynx	994	2.4%	Corpus Uteri & Uterus NOS	828	2.5%	Esophagus	384	2.2%
	Total of Top 10	31,306	76.6%	Total of Top 10	20,113	60.5%	Total of Top 10	12,848	73.6%
-	Total	40,863	100.0%	Total	33,235	100.0%	Total	17,459	100.0%

Ranking	Male								
	Incidence			Hospital Admissions			Mortality		
	Type	Number	Percent	Type	Number	Percent	Type	Number	Percent
1	Prostate	5,337	25.4%	Lung and Bronchus	2,601	16.1%	Lung and Bronchus	3,125	33.0%
2	Lung and Bronchus	3,970	18.9%	Prostate	2,536	15.7%	Colorectal	1,055	11.1%
3	Colorectal	2,419	11.5%	Colorectal	2,169	13.5%	Prostate	922	9.7%
4	Urinary Bladder	1,567	7.4%	Urinary Bladder	762	4.7%	Pancreas	419	4.4%
5	Non-Hodgkin's Lymphoma	737	3.5%	Leukemia	628	3.9%	Leukemia	368	3.9%
6	Kidney and Renal Pelvis	706	3.4%	Kidney and Renal Pelvis	586	3.6%	Non-Hodgkin's Lymphoma	356	3.8%
7	Lip, Oral Cavity and Pharynx	695	3.3%	Non-Hodgkin's Lymphoma	550	3.4%	Esophagus	294	3.1%
8	Skin	634	3.0%	Brain and Other Central Nervous System	449	2.8%	Urinary Bladder	288	3.0%
9	Leukemia	629	3.0%	Stomach	398	2.5%	Liver and Intrahepatic Bile Ducts	272	2.9%
10	Pancreas	502	2.4%	Pancreas	390	2.4%	Kidney and Renal Pelvis	226	2.4%
	Total of Top 10	17,196	81.7%	Total of Top 10	11,069	68.6%	Total of Top 10	7,325	77.3%
-	Total	21,042	100.0%	Total	16,125	100.0%	Total	9,476	100.0%

Ranking	Female								
	Incidence			Hospital Admissions			Mortality		
	Type	Number	Percent	Type	Number	Percent	Type	Number	Percent
1	Breast	6,420	32.4%	Breast	2,589	15.1%	Lung and Bronchus	2,457	30.8%
2	Lung and Bronchus	3,366	17.0%	Lung and Bronchus	2,364	13.8%	Breast	1,182	14.8%
3	Colorectal	2,111	10.7%	Colorectal	2,027	11.8%	Colorectal	836	10.5%
4	Corpus Uteri & Uterus NOS	852	4.3%	Corpus Uteri & Uterus NOS	828	4.8%	Pancreas	426	5.3%
5	Ovary	737	3.7%	Thyroid Gland	769	4.5%	Ovary	376	4.7%
6	Non-Hodgkin's Lymphoma	579	2.9%	Ovary	669	3.9%	Leukemia	246	3.1%
7	Thyroid Gland	539	2.7%	Cervix Uteri	646	3.8%	Non-Hodgkin's Lymphoma	243	3.0%
8	Urinary Bladder	501	2.5%	Leukemia	452	2.6%	Liver and Intrahepatic Bile Ducts	143	1.8%
9	Cervix Uteri	497	2.5%	Non-Hodgkin's Lymphoma	438	2.6%	Cervix Uteri	140	1.8%
10	Pancreas	449	2.3%	Pancreas	351	2.1%	Corpus Uteri & Uterus NOS	134	1.7%
	Total of Top 10	16,051	81.0%	Total of Top 10	11,133	65.1%	Total of Top 10	6,183	77.5%
-	Total	19,821	100.0%	Total	17,110	100.0%	Total	7,983	100.0%

Note: Those of other/unknown gender are not listed separately, but are included in the total.

Table 4. Incidence to Mortality Age-Adjusted Rate Ratios for the Leading Types of Cancer, Nevada Residents, 1997-2001

Type of Cancer	Incidence			Mortality			Ratio
	Number	Rate*	95% C.I.	Number	Rate*	95% C.I.	
Lung and Bronchus	7,336	81.8	(79.9-83.7)	5,582	63.6	(61.9-65.3)	1.29
Breast*	6,420	135.2	(131.9-138.6)	1,182	25.9	(24.4-27.4)	5.22
Prostate*	5,337	125.7	(122.1-129.4)	922	29.2	(27.2-31.4)	4.30
Colorectal	4,530	52.4	(50.9-54.0)	1,891	22.9	(21.8-24.0)	2.29
Urinary Bladder	2,068	23.9	(22.8-24.9)	401	5.1	(4.6-5.6)	4.69
Non-Hodgkin's Lymphoma	1,316	14.7	(13.9-15.5)	599	7.1	(6.5-7.7)	2.07
Kidney and Renal Pelvis	1,090	11.8	(11.1-12.5)	327	3.7	(3.3-4.2)	3.15
Leukemia	1,059	12.0	(11.3-12.8)	614	7.4	(6.8-8.0)	1.63
Lip, Oral Cavity and Pharynx	994	10.6	(10.0-11.3)	225	2.5	(2.2-2.9)	4.21
Pancreas	951	10.8	(10.1-11.6)	845	9.8	(9.1-10.5)	1.10
Skin	1,083	11.6	(10.9-12.3)	264	2.9	(2.6-3.3)	3.98
Corpus Uteri & Uterus NOS*	852	17.9	(16.7-19.2)	134	3.0	(2.5-3.6)	5.98
Ovary*	737	15.5	(14.4-16.7)	376	8.2	(7.3-9.0)	1.90
Thyroid Gland	696	7.1	(6.6-7.7)	29	0.3	(0.2-0.5)	20.54
Brain and Other Central Nervous System	580	6.2	(5.7-6.8)	338	3.7	(3.3-4.2)	1.67
Stomach	565	6.7	(6.1-7.3)	325	3.9	(3.5-4.4)	1.69
Liver and Intrahepatic Bile Ducts	515	5.7	(5.2-6.2)	415	4.8	(4.3-5.3)	1.20
Cervix Uteri*	497	10.4	(9.5-11.4)	140	3.0	(2.5-3.5)	3.48
Esophagus	481	5.3	(4.8-5.8)	384	4.2	(3.8-4.7)	1.25
Larynx	348	3.8	(3.4-4.2)	124	1.4	(1.2-1.7)	2.68
Multiple Myeloma	372	4.2	(3.8-4.7)	261	3.0	(2.7-3.4)	1.39
Hodgkin's Lymphoma	214	2.2	(1.9-2.5)	38	0.4	(0.3-0.6)	5.44
All Other Sites	2,749	31.0	(29.8-32.2)	2,030	24.1	(23.1-25.2)	1.29
Total	40,863	453.4	(448.9-457.9)	17,459	204.6	(201.5-207.8)	2.22

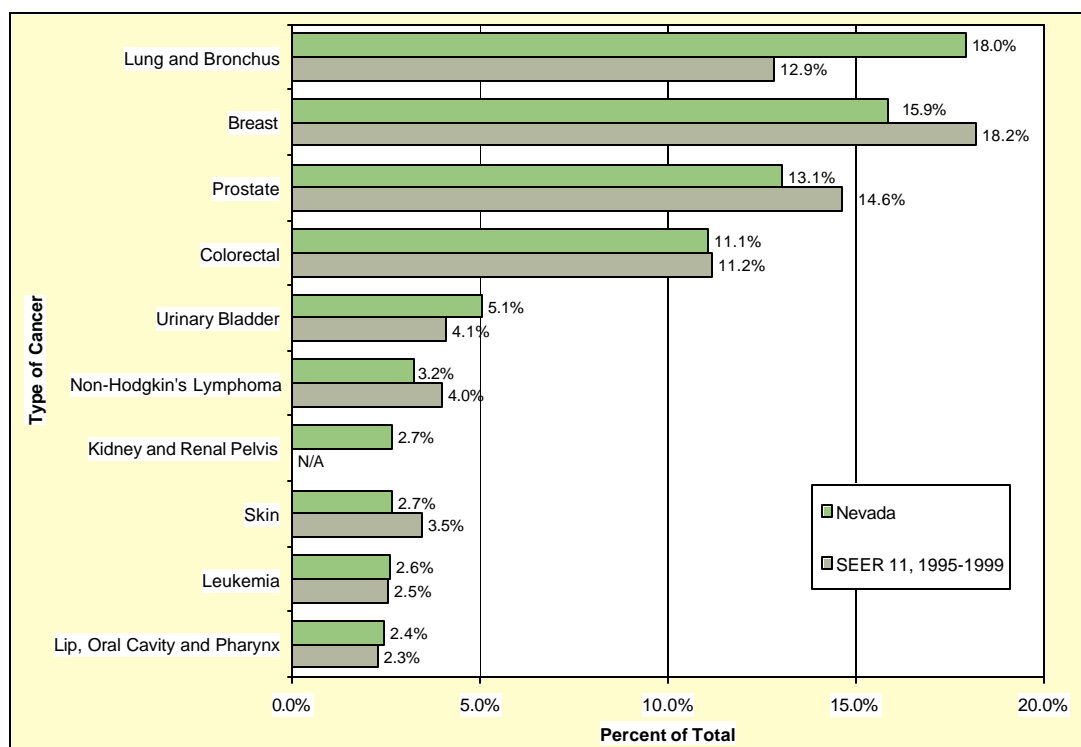
* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.

INCIDENCE

HIGHLIGHTS

- Lung and Bronchus Cancer was the leading type of cancer in Nevada from 1997 to 2001. This type of cancer accounted for 18.0% of all resident cancer cases during this period. The second leading type, Breast Cancer, accounted for 15.9% of all cancer incidence.
- When compared to National (1997-2001) incidence, Nevada had a much higher incidence of Lung and Bronchus Cancer, 18.0% vs 12.9%, and a considerably lower incidence of Breast Cancer: 15.9% vs 18.2% during the 1997-2001 period.
- While Blacks had the highest ratio of the remaining racial/ethnic groups when compared to the age-adjusted cancer incidence rates for Whites, their ratio was just 0.94. This means that for every 100 White cancer cases Blacks would be expected to have 94 cases. Asians, Hispanics and Native Americans had comparison ratios of 0.49, 0.46 and 0.40, respectively, for Nevada from 1997 to 2001.
- Liver and Intrahepatic Bile Ducts had the highest age-adjusted incidence comparison ratio for Blacks when compared to Whites in Nevada from 1997 to 2001 with a comparison ratio of 1.68. Meaning for every 100 White Liver and Intrahepatic Bile Ducts cases Blacks would be expected to have 168 cases. This cancer type also had the highest comparison ratio for Asians with a 2.03 ratio. Stomach cancer had the highest comparison incidence ratio for Hispanics with 0.93. Multiple Myeloma had the highest comparison ratio for Native Americans when compared to Whites with a ratio of 1.90.
- Hodgkin's Lymphoma had the lowest median age at time of diagnosis for Nevada residents from 1997 to 2001 at 39 years. The median age for females diagnosed with Hodgkin's Lymphoma was 37 years, while for males it was 43 years.
- Stomach and Urinary Bladder Cancers had the highest median age at time of diagnosis for Nevada residents during the 1997 to 2001 period at 71 years. The median age for females diagnosed with Stomach Cancer was 72 years, while for males it was 70 years, which was equivalent to the median age at diagnosis of Urinary Bladder Cancer for males during this period.

Figure 4. Top Ten Leading Cancers as a Percentage of Total Cases, Nevada (1997-2001) and SEER-11 (1997-2001)



Note: "N/A" indicates that this type of Cancer was not in the Top Ten for the SEER region.

Figure 5. Comparison of Age-Adjusted (2001) Incidence Rates of Blacks compared to Whites, Nevada Residents, 1997-2001

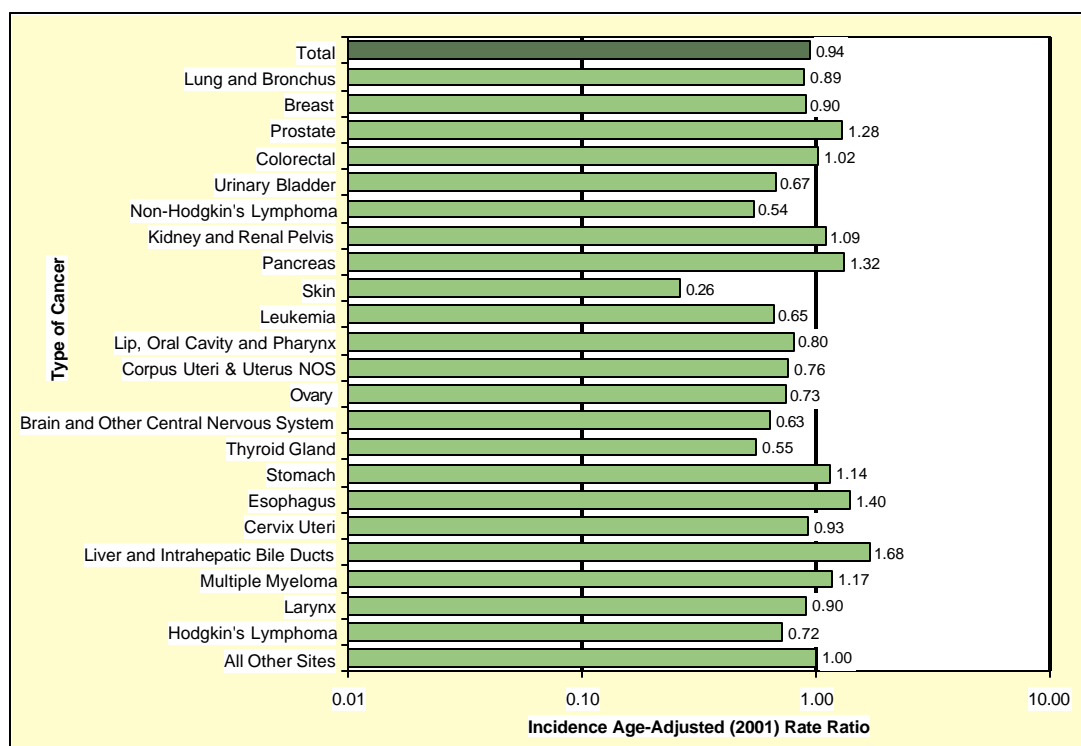
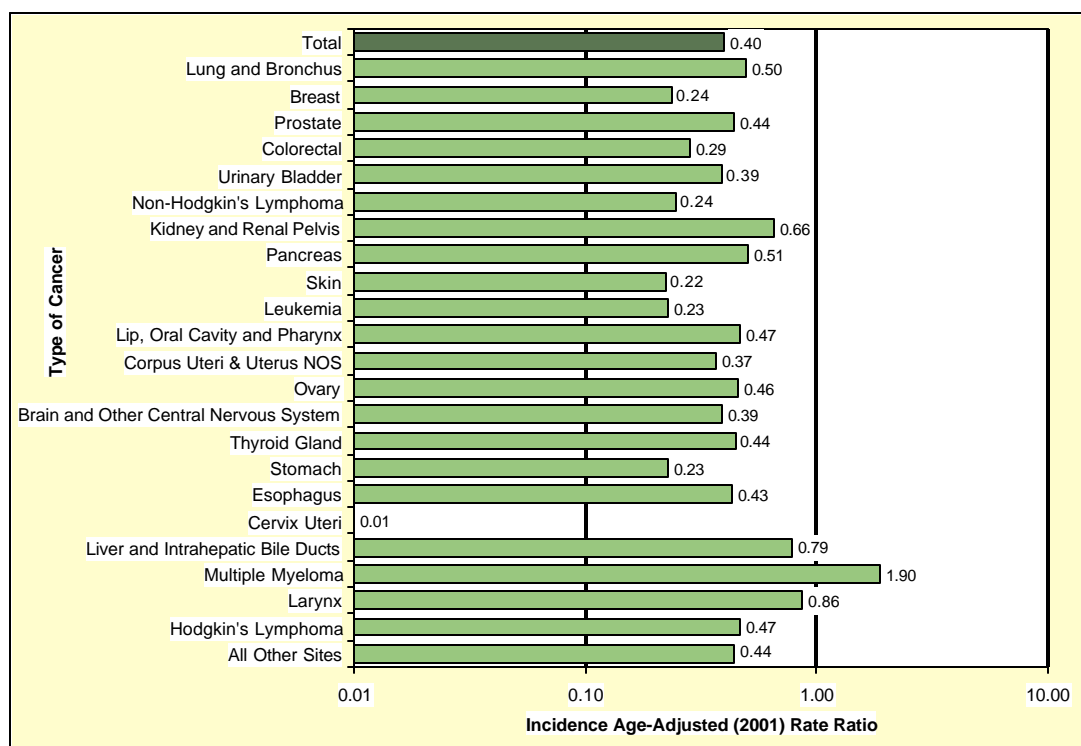


Figure 6. Comparison of Age-Adjusted (2001) Incidence Rates of Native Americans compared to Whites, Nevada Residents, 1997-2001



Note: "N/A" indicates that a comparison ratio could not be calculated.

Figure 7. Comparison of Age-Adjusted (2001) Incidence Rates of Asians compared to Whites, Nevada Residents, 1997-2001

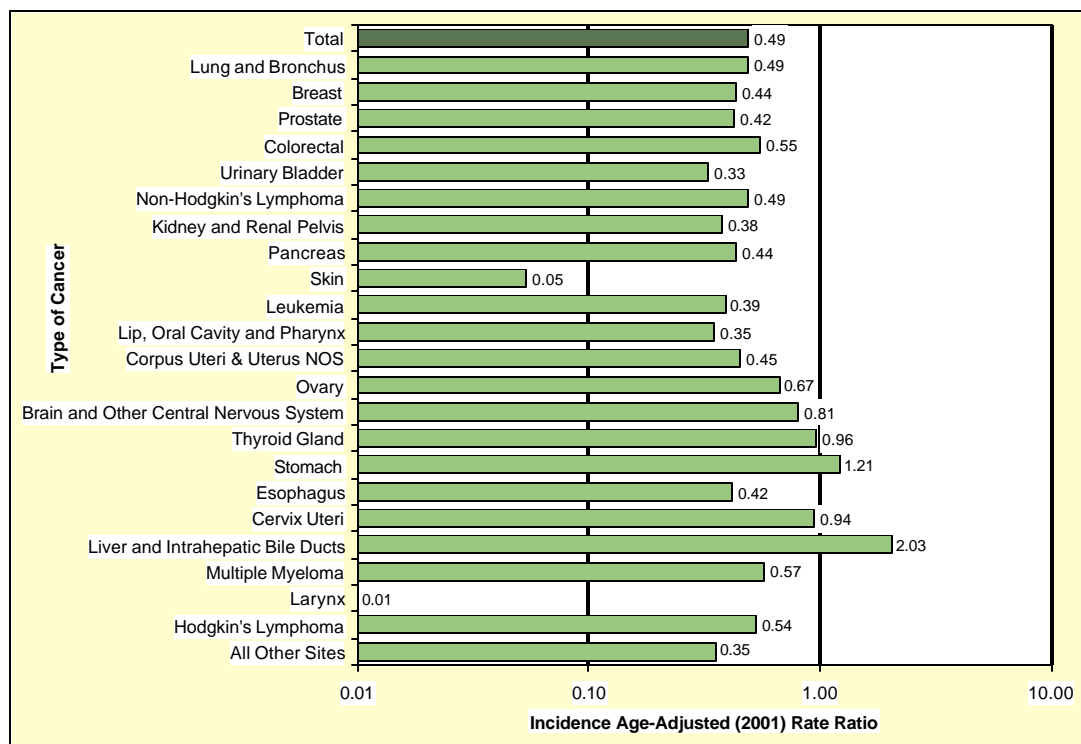


Figure 8. Comparison of Age-Adjusted (2001) Incidence Rates of Hispanics compared to Whites, Nevada Residents, 1997-2001

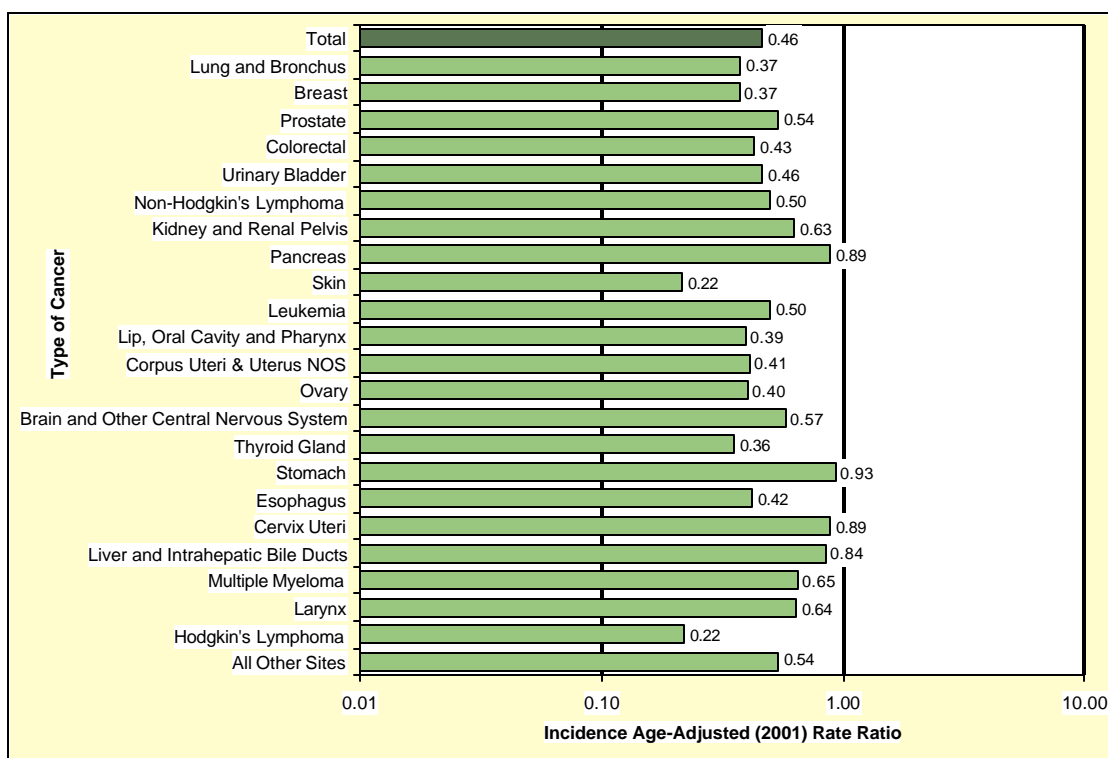


Table 5. Nevada Incidence by Type of Cancer, Nevada (1997-2001) and SEER-11 (1997-2001)

Type of Cancer	Incidence (1997-2001)			SEER-11 (1997-2001)		
	Number	Rate*	95% C.I.	Number	Rate*	95% C.I.
Total	40,863	453.43	(448.9-457.9)	815,121	483.42	(482.4-484.5)
Lip, Oral Cavity and Pharynx	994	10.62	(10.0-11.3)	18,648	11.04	(10.9-11.2)
Lip	49	0.53	(0.4-0.7)	1,789	1.06	(1.0-1.1)
Base of Tongue	140	1.44	(1.2-1.7)	1,855	1.11	(1.1-1.2)
Other & Unspecified Parts of Tongue	154	1.62	(1.4-1.9)	2,400	1.42	(1.4-1.5)
Parotid Gland	69	0.77	(0.6-1.0)	1,594	0.93	(0.9-1.0)
Other & Unspecified Major Salivary glands	29	0.32	(0.2-0.5)	441	0.26	(0.2-0.3)
Floor of Mouth	85	0.93	(0.7-1.2)	1,513	0.91	(0.9-1.0)
Gum	21	0.23	(0.1-0.4)	736	0.44	(0.4-0.5)
Palate	39	0.41	(0.3-0.6)	1,127	0.66	(0.6-0.7)
Other & Unspecified Parts of Mouth	52	0.58	(0.4-0.8)	1,207	0.72	(0.7-0.8)
Nasopharynx	50	0.54	(0.4-0.7)	1,331	0.77	(0.7-0.8)
Tonsil	125	1.31	(1.1-1.6)	2,064	1.23	(1.2-1.3)
Oropharynx	44	0.47	(0.3-0.6)	529	0.32	(0.3-0.3)
Pyriform Sinus	46	0.49	(0.4-0.7)	978	0.59	(0.5-0.6)
Hypopharynx	33	0.35	(0.2-0.5)	552	0.33	(0.3-0.4)
Other & Unspecified Oral (Buccal) Cavity & Pharynx	58	0.65	(0.5-0.9)	532	0.32	(0.3-0.3)
Digestive System	7,357	84.57	(82.6-86.6)	151,274	90.82	(90.4-91.3)
Esophagus	481	5.30	(4.8-5.8)	7,483	4.49	(4.4-4.6)
Stomach	565	6.67	(6.1-7.3)	15,187	9.10	(9.0-9.2)
Small Intestine	106	1.17	(1.0-1.4)	2,753	1.64	(1.6-1.7)
Colon (excluding Rectum)	3,213	37.79	(36.5-39.2)	64,345	38.75	(38.5-39.1)
Cecum	672	8.05	(7.4-8.7)	14,990	9.05	(8.9-9.2)
Appendix	35	0.39	(0.3-0.6)	714	0.42	(0.4-0.4)
Ascending Colon	424	5.09	(4.6-5.6)	9,862	5.95	(5.8-6.1)
Hepatic Flexure	109	1.28	(1.0-1.6)	3,655	2.21	(2.1-2.3)
Transverse Colon	245	2.88	(2.5-3.3)	5,972	3.60	(3.5-3.7)
Splenic Flexure	91	1.03	(0.8-1.3)	2,483	1.49	(1.4-1.6)
Descending Colon	147	1.63	(1.4-1.9)	3,907	2.34	(2.3-2.4)
Sigmoid Colon	917	10.35	(9.7-11.1)	19,474	11.70	(11.5-11.9)
Large Intestine, NOS	573	7.09	(6.5-7.7)	3,288	1.99	(1.9-2.1)
Rectum	770	8.62	(8.0-9.3)	16,598	9.93	(9.8-10.1)
Rectosigmoid Junction	421	4.68	(4.2-5.2)	8,180	4.91	(4.8-5.0)
Anus, Anal Canal and Anorectum	126	1.34	(1.1-1.6)	2,189	1.29	(1.2-1.3)
Liver	442	4.87	(4.4-5.4)	8,044	4.79	(4.7-4.9)
Intrahepatic Bile Ducts	73	0.85	(0.7-1.1)	1,460	0.88	(0.8-0.9)
Gallbladder	61	0.74	(0.6-1.0)	2,064	1.24	(1.2-1.3)
Other & Unspecified Biliary Tract	100	1.20	(1.0-1.5)	2,372	1.43	(1.4-1.5)
Pancreas	951	10.84	(10.1-11.6)	18,152	10.93	(10.8-11.1)
Retroperitoneum	32	0.35	(0.2-0.5)	737	0.43	(0.4-0.5)
Peritoneum, Omentum and Mesentery	3	---	---	1,033	0.61	(0.6-0.7)
Other Digestive Organs	13	0.14	(0.1-0.3)	677	0.41	(0.4-0.4)
Respiratory System	7,758	86.35	(84.4-88.3)	114,569	68.69	(68.3-69.1)
Nasal Cavity and Middle Ear	31	0.36	(0.2-0.5)	563	0.33	(0.3-0.4)
Accessory Sinuses	23	0.24	(0.2-0.4)	621	0.37	(0.3-0.4)
Larynx	348	3.78	(3.4-4.2)	6,718	4.02	(3.9-4.1)
Lung and Bronchus	7,336	81.77	(79.9-83.7)	104,761	62.85	(62.5-63.2)
Pleura	3	---	---	1,529	0.92	(0.9-1.0)
Trachea	4	---	---	117	0.07	(0.1-0.1)
Mediastinum and Other Respiratory Organs	13	0.13	(0.1-0.2)	260	0.14	(0.1-0.2)
Bones, Joints and Articular Cartilage	90	0.95	(0.8-1.2)	1,618	0.90	(0.9-0.9)
Bones, Joints & Articular Cartilage of Limbs	43	0.46	(0.3-0.6)	866	0.48	(0.4-0.5)
Bones, Joints & Articular Cartilage of Other & Unspec Sites	47	0.49	(0.4-0.7)	752	0.42	(0.4-0.5)
Soft Tissue (Including Heart)	215	2.32	(2.0-2.7)	4,924	2.81	(2.7-2.9)
Heart	1	---	---	48	0.03	(0.0-0.0)
Peripheral Nerves & Autonomic Nervous System	8	---	---	281	0.15	(0.1-0.2)
Connective, Subcutaneous & Other Soft Tissues	206	2.23	(1.9-2.6)	4,595	2.63	(2.6-2.7)

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.

Note: The "—" is used for rates calculated on numbers less than ten.

Table 5. Nevada Incidence by Type of Cancer, Nevada (1997-2001) and SEER-11 (1997-2001) (Continued)

Type of Cancer	Incidence			SEER-11 (1995-1999)		
	Number	Rate*	95% C.I.	Number	Rate*	95% C.I.
Total	40,863	453.4	(448.9-457.9)	815,121	483.42	(482.4-484.5)
Skin (Excluding Basal And Squamous)	1,189	12.82	(12.1-13.6)	34,077	19.53	(19.3-19.7)
Melanomas Of The Skin	1,083	11.59	(10.9-12.3)	28,292	16.31	(16.1-16.5)
Other Non-Epithelial Skin	106	1.23	(1.0-1.5)	5,785	3.22	(3.1-3.3)
Breast*	6,420	135.20	(131.9-138.6)	147,688	161.28	(160.5-162.1)
Female Genital System*	2,250	47.38	(45.4-49.4)	50,905	55.03	(54.5-55.5)
Cervix Uteri*	497	10.39	(9.5-11.4)	9,206	9.83	(9.6-10.0)
Corpus Uteri*	808	16.94	(15.8-18.2)	22,211	24.26	(23.9-24.6)
Uterus, NOS*	44	0.96	(0.7-1.3)	423	0.44	(0.4-0.5)
Ovary*	737	15.54	(14.4-16.7)	15,611	16.84	(16.6-17.1)
Vagina*	39	0.83	(0.6-1.1)	657	0.70	(0.6-0.8)
Vulva*	112	2.45	(2.0-3.0)	2,117	2.22	(2.1-2.3)
Placenta*	1	---	---	86	0.09	(0.1-0.1)
Other Female Genital Organs*	12	0.24	(0.1-0.4)	594	0.64	(0.6-0.7)
Male Genital System*	5,605	131.04	(127.4-134.8)	125,029	171.72	(170.8-172.7)
Prostate*	5,337	125.66	(122.1-129.4)	119,272	165.54	(164.6-166.5)
Testis*	237	4.63	(4.1-5.3)	4,967	5.08	(4.9-5.2)
Penis*	19	0.48	(0.3-0.8)	529	0.74	(0.7-0.8)
Other Male Genital Organs*	12	0.27	(0.1-0.6)	261	0.35	(0.3-0.4)
Urinary System	3,218	36.33	(35.1-37.7)	0	---	---
Urinary Bladder	2,068	23.86	(22.8-24.9)	33,284	20.01	(19.8-20.2)
Kidney	1,014	10.96	(10.3-11.7)	16,592	9.85	(9.7-10.0)
Renal Pelvis	76	0.84	(0.7-1.1)	1,558	0.94	(0.9-1.0)
Ureter	38	0.44	(0.3-0.6)	877	0.53	(0.5-0.6)
Other Urinary Organs	22	0.23	(0.1-0.4)	578	0.35	(0.3-0.4)
Eye and Orbit	50	0.54	(0.4-0.7)	1,376	0.79	(0.7-0.8)
Brain and Other Central Nervous System	580	6.21	(5.7-6.8)	11,214	6.41	(6.3-6.5)
Brain	540	5.78	(5.3-6.3)	10,541	6.03	(5.9-6.1)
Meninges	20	0.21	(0.1-0.3)	190	0.11	(0.1-0.1)
Spinal Cord, Cranial Nerves, & Other Parts of CNS	20	0.22	(0.1-0.4)	483	0.27	(0.2-0.3)
Endocrine System	757	7.77	(7.2-8.4)	13,034	7.22	(7.1-7.3)
Thyroid Gland	696	7.12	(6.6-7.7)	11,885	6.58	(6.5-6.7)
Adrenal Gland	30	0.33	(0.2-0.5)	513	0.28	(0.3-0.3)
Other Endocrine (Including Thymus)	31	0.32	(0.2-0.5)	636	0.36	(0.3-0.4)
Hodgkin's Lymphoma	214	2.20	(1.9-2.5)	5,019	2.71	(2.6-2.8)
Non-Hodgkin's Lymphoma	1,316	14.65	(13.9-15.5)	32,597	19.13	(18.9-19.3)
Multiple Myeloma	372	4.20	(3.8-4.7)	9,106	5.47	(5.4-5.6)
Leukemia	1,059	12.05	(11.3-12.8)	20,646	12.06	(11.9-12.2)
Lymphocytic	451	5.03	(4.6-5.5)	8,924	5.18	(5.1-5.3)
Acute Lymphocytic	141	1.44	(1.2-1.7)	2,830	1.51	(1.5-1.6)
Chronic Lymphocytic	278	3.23	(2.8-3.7)	5,798	3.49	(3.4-3.6)
Other Lymphocytic	32	0.36	(0.2-0.5)	296	0.18	(0.2-0.2)
Granulocytic (Myeloid)	#N/A	#N/A	#N/A	9,175	5.36	(5.3-5.5)
Acute Myeloid	330	3.66	(3.3-4.1)	6,141	3.59	(3.5-3.7)
Chronic Myeloid	108	1.27	(1.0-1.6)	2,871	1.68	(1.6-1.7)
Other Myeloid	#N/A	#N/A	#N/A	163	0.10	(0.1-0.1)
Monocytic	#N/A	#N/A	#N/A	439	0.26	(0.2-0.3)
Acute Monocytic	17	0.19	(0.1-0.3)	407	0.24	(0.2-0.3)
Chronic Monocytic	#N/A	#N/A	#N/A	18	0.01	(0.0-0.0)
Other Monocytic	#N/A	#N/A	#N/A	14	0.01	(0.0-0.0)
Other	130	1.61	(1.3-1.9)	2,108	1.26	(1.2-1.3)
Other Acute	49	0.61	(0.4-0.8)	775	0.47	(0.4-0.5)
Other Chronic	#N/A	#N/A	#N/A	50	0.03	(0.0-0.0)
Aleukemic, Subleukemic and NOS	81	1.01	(0.8-1.3)	1,283	0.76	(0.7-0.8)
Other, Ill-Defined and Unspecified Sites	1,201	13.98	(13.2-14.8)	19,585	11.78	(11.6-11.9)

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.

Note: The "—" is used for rates calculated on numbers less than ten.

**Table 6. Nevada Incidence by Type of Cancer and Gender,
Nevada, 1997-2001**

Type of Cancer	Total*		Male		Female	
	Number	Rate**	Number	Rate**	Number	Rate**
Total	40,863	453.43	21,042	496.69	19,821	423.04
Lip, Oral Cavity and Pharynx	994	10.62	695	15.28	299	6.33
Lip	49	0.53	44	0.98	5	---
Base of Tongue	140	1.44	112	2.34	28	0.58
Other & Unspecified Parts of Tongue	154	1.62	107	2.30	47	0.97
Parotid Gland	69	0.77	44	1.10	25	0.52
Other & Unspecified Major Salivary glands	29	0.32	17	0.41	12	0.25
Floor of Mouth	85	0.93	53	1.18	32	0.70
Gum	21	0.23	9	---	12	0.25
Palate	39	0.41	19	0.39	20	0.43
Other & Unspecified Parts of Mouth	52	0.58	32	0.76	20	0.43
Nasopharynx	50	0.54	38	0.79	12	0.26
Tonsil	125	1.31	90	1.88	35	0.74
Oropharynx	44	0.47	34	0.78	10	0.20
Pyriform Sinus	46	0.49	35	0.76	11	0.24
Hypopharynx	33	0.35	24	0.50	9	---
Other & Unspecified Oral (Buccal) Cavity & Pharynx	58	0.65	37	0.91	21	0.45
Digestive System	7,357	84.57	4,155	100.59	3,202	70.46
Esophagus	481	5.30	363	8.38	118	2.54
Stomach	565	6.67	368	9.14	197	4.48
Small Intestine	106	1.17	52	1.17	54	1.16
Colon (excluding Rectum)	3,213	37.79	1,686	42.23	1,527	33.99
Cecum	672	8.05	339	8.77	333	7.47
Appendix	35	0.39	17	0.36	18	0.39
Ascending Colon	424	5.09	214	5.43	210	4.76
Hepatic Flexure	109	1.28	53	1.27	56	1.26
Transverse Colon	245	2.88	124	3.15	121	2.68
Splenic Flexure	91	1.03	47	1.20	44	0.94
Descending Colon	147	1.63	75	1.72	72	1.55
Sigmoid Colon	917	10.35	510	12.15	407	8.81
Large Intestine, NOS	573	7.09	307	8.18	266	6.15
Rectum	770	8.62	446	10.58	324	6.96
Rectosigmoid Junction	421	4.68	248	5.70	173	3.73
Anus, Anal Canal and Anorectum	126	1.34	39	0.82	87	1.84
Liver	442	4.87	305	6.81	137	2.98
Intrahepatic Bile Ducts	73	0.85	42	1.05	31	0.68
Gallbladder	61	0.74	17	0.43	44	0.99
Other & Unspecified Biliary Tract	100	1.20	57	1.46	43	0.97
Pancreas	951	10.84	502	12.18	449	9.75
Retroperitoneum	32	0.35	21	0.45	11	0.24
Peritoneum, Omentum and Mesentery	3	---	2	---	1	---
Other Digestive Organs	13	0.14	7	---	6	---
Respiratory System	7,758	86.35	4,294	101.68	3,464	73.76
Nasal Cavity and Middle Ear	31	0.36	19	0.51	12	0.25
Accessory Sinuses	23	0.24	15	0.31	8	---
Larynx	348	3.78	276	6.18	72	1.55
Lung and Bronchus	7,336	81.77	3,970	94.37	3,366	71.68
Pleura	3	---	2	---	1	---
Trachea	4	---	3	---	1	---
Mediastinum and Other Respiratory Organs	13	0.13	9	---	4	---
Bones, Joints and Articular Cartilage	90	0.95	50	1.00	40	0.87
Bones, Joints & Articular Cartilage of Limbs	43	0.46	20	0.40	23	0.50
Bones, Joints & Articular Cartilage of Other & Unspec Sites	47	0.49	30	0.60	17	0.37
Soft Tissue (Including Heart)	215	2.32	124	2.72	91	1.93
Heart	1	---	0	---	1	---
Peripheral Nerves & Autonomic Nervous System	8	---	4	---	4	---
Connective, Subcutaneous & Other Soft Tissues	206	2.23	120	2.64	86	1.83

* Those of unknown gender are not shown separately, but are included in the total.

** Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.

Note: The "—" is used for rates calculated on numbers less than ten.

**Table 6. Nevada Incidence by Type of Cancer and Gender,
Nevada, 1997-2001 (Continued)**

Type of Cancer	Total*		Male		Female	
	Number	Rate**	Number	Rate**	Number	Rate**
Total	40,863	453.43	21,042	496.69	19,821	423.04
Skin (Excluding Basal And Squamous)	1,189	12.82	699	15.74	490	10.35
Melanomas Of The Skin	1,083	11.59	634	14.09	449	9.45
Other Non-Epithelial Skin	106	1.23	65	1.65	41	0.90
Breast	6,493	70.45	73	1.82	6,420	135.20
Female Genital System	2,250	24.38	0	---	2,250	47.38
Cervix Uteri	497	5.22	0	---	497	10.39
Corpus Uteri	808	8.75	0	---	808	16.94
Uterus, NOS	44	0.52	0	---	44	0.96
Ovary	737	8.02	0	---	737	15.54
Vagina	39	0.43	0	---	39	0.83
Vulva	112	1.30	0	---	112	2.45
Placenta	1	---	0	---	1	---
Other Female Genital Organs	12	0.12	0	---	12	0.24
Male Genital System	5,605	61.36	5,605	131.04	0	---
Prostate	5,337	58.64	5,337	125.66	0	---
Testis	237	2.37	237	4.63	0	---
Penis	19	0.22	19	0.48	0	---
Other Male Genital Organs	12	0.13	12	0.27	0	---
Urinary System	3,218	36.33	2,317	56.15	901	19.49
Urinary Bladder	2,068	23.86	1,567	39.31	501	11.00
Kidney	1,014	10.96	656	14.55	358	7.60
Renal Pelvis	76	0.84	50	1.19	26	0.55
Ureter	38	0.44	28	0.74	10	0.21
Other Urinary Organs	22	0.23	16	0.36	6	---
Eye and Orbit	50	0.54	29	0.65	21	0.44
Brain and Other Central Nervous System	580	6.21	338	7.36	242	5.11
Brain	540	5.78	316	6.90	224	4.73
Meninges	20	0.21	9	---	11	0.23
Spinal Cord, Cranial Nerves, & Other Parts of CNS	20	0.22	13	0.27	7	---
Endocrine System	757	7.77	190	4.09	567	11.71
Thyroid Gland	696	7.12	157	3.29	539	11.15
Adrenal Gland	30	0.33	17	0.44	13	0.26
Other Endocrine (Including Thymus)	31	0.32	16	0.35	15	0.30
Hodgkin's Lymphoma	214	2.20	117	2.32	97	2.03
Non-Hodgkin's Lymphoma	1,316	14.65	737	17.38	579	12.42
Multiple Myeloma	372	4.20	216	5.32	156	3.33
Leukemia	1,059	12.05	629	14.97	430	9.44
Lymphocytic	451	5.03	280	6.62	171	3.68
Acute Lymphocytic	141	1.44	82	1.65	59	1.23
Chronic Lymphocytic	278	3.23	171	4.34	107	2.34
Other Lymphocytic	32	0.36	27	0.63	5	---
Myeloid and Monocytic	478	5.40	276	6.42	202	4.43
Acute Myeloid	330	3.66	185	4.21	145	3.13
Acute Monocytic	17	0.19	9	---	8	---
Chronic Myeloid	108	1.27	68	1.65	40	0.91
Other Myeloid/Monocytic	23	0.28	14	0.35	9	---
Other	130	1.61	73	1.94	57	1.33
Other Acute	49	0.61	30	0.83	19	0.43
Aleukemic, Subleukemic and NOS	81	1.01	43	1.11	38	0.90
Mesothelioma	91	1.08	71	1.97	20	0.42
Kaposi Sarcoma	54	0.58	52	1.15	2	---
Other, Ill-Defined and Unspecified Sites	1,201	13.98	651	15.46	550	12.32

* Those of unknown gender are not shown separately, but are included in the total.

** Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.

Note: The "—" is used for rates calculated on numbers less than ten.

Table 7. Nevada Incidence by Type of Cancer and Stage of Cancer, Nevada, 1997-2001

Type of Cancer	Total	In situ	Localized	Regional	Distant	Unstaged
Total	40,863	1,560	15,503	7,420	7,688	8,692
Lip, Oral Cavity and Pharynx	994	0	322	372	90	210
Lip	49	0	37	5	2	5
Base of Tongue	140	0	23	84	11	22
Other & Unspecified Parts of Tongue	154	0	73	33	12	36
Parotid Gland	69	0	33	18	2	16
Other & Unspecified Major Salivary glands	29	0	8	12	2	7
Floor of Mouth	85	0	40	27	9	9
Gum	21	0	6	8	3	4
Palate	39	0	22	8	4	5
Other & Unspecified Parts of Mouth	52	0	15	18	6	13
Nasopharynx	50	0	5	19	7	19
Tonsil	125	0	26	67	7	25
Oropharynx	44	0	7	11	12	14
Pyriiform Sinus	46	0	9	27	4	6
Hypopharynx	33	0	13	9	2	9
Other & Unspecified Oral (Buccal) Cavity & Pharynx	58	0	5	26	7	20
Digestive System	7,357	0	1,805	2,286	1,565	1,701
Esophagus	481	0	74	99	119	189
Stomach	565	0	101	175	141	148
Small Intestine	106	0	23	36	31	16
Colon (excluding Rectum)	3,213	0	909	1,207	636	461
Cecum	672	0	181	296	151	44
Appendix	35	0	11	11	10	3
Ascending Colon	424	0	136	193	69	26
Hepatic Flexure	109	0	32	50	21	6
Transverse Colon	245	0	73	112	48	12
Splenic Flexure	91	0	33	48	7	3
Descending Colon	147	0	46	55	36	10
Sigmoid Colon	917	0	332	368	171	46
Large Intestine, NOS	573	0	65	74	123	311
Rectum	770	0	280	239	116	135
Rectosigmoid Junction	421	0	136	169	83	33
Anus, Anal Canal and Anorectum	126	0	67	23	15	21
Liver	442	0	84	29	77	252
Intrahepatic Bile Ducts	73	0	13	14	11	35
Gallbladder	61	0	18	21	18	4
Other & Unspecified Biliary Tract	100	0	22	28	15	35
Pancreas	951	0	69	240	290	352
Retroperitoneum	32	0	9	5	6	12
Peritoneum, Omentum and Mesentery	3	0	0	1	2	0
Other Digestive Organs	13	0	0	0	5	8
Respiratory System	7,758	0	1,338	1,493	2,598	2,329
Nasal Cavity and Middle Ear	31	0	15	2	3	11
Accessory Sinuses	23	0	8	9	5	1
Larynx	348	0	135	78	24	111
Lung and Bronchus	7,336	0	1,176	1,401	2,563	2,196
Pleura	3	0	0	0	0	3
Trachea	4	0	0	2	1	1
Mediastinum and Other Respiratory Organs	13	0	4	1	2	6
Bones, Joints and Articular Cartilage	90	0	32	11	18	29
Bones, Joints & Articular Cartilage of Limbs	43	0	23	4	5	11
Bones, Joints & Articular Cartilage of Other & Unspec Sites	47	0	9	7	13	18
Soft Tissue (Including Heart)	215	0	92	11	29	83
Heart	1	0	1	0	0	0
Peripheral Nerves & Autonomic Nervous System	8	0	2	1	0	5
Connective, Subcutaneous & Other Soft Tissues	206	0	89	10	29	78

**Table 7. Nevada Incidence by Type of Cancer and Stage of Cancer,
Nevada, 1997-2001 (Continued)**

Type of Cancer	Total	In situ	Localized	Regional	Distant	Unstaged
Total	40,863	1,560	15,503	7,420	7,688	8,692
Skin (Excluding Basal And Squamous)	1,189	0	836	86	76	191
Melanomas Of The Skin	1,083	0	770	77	69	167
Other Non-Epithelial Skin	106	0	66	9	7	24
Breast	6,493	958	3,090	1,563	315	567
Female Genital System	2,250	0	1,127	412	472	239
Cervix Uteri	497	0	241	157	49	50
Corpus Uteri	808	0	616	92	44	56
Uterus, NOS	44	0	13	6	9	16
Ovary	737	0	162	124	352	99
Vagina	39	0	16	7	9	7
Vulva	112	0	76	24	3	9
Placenta	1	0	0	0	1	0
Other Female Genital Organs	12	0	3	2	5	2
Male Genital System	5,605	0	3,892	553	286	874
Prostate	5,337	0	3,726	516	247	848
Testis	237	0	150	35	38	14
Penis	19	0	9	1	1	8
Other Male Genital Organs	12	0	7	1	0	4
Urinary System	3,218	602	1,616	325	256	419
Urinary Bladder	2,068	602	1,001	177	69	219
Kidney	1,014	0	538	117	179	180
Renal Pelvis	76	0	45	20	5	6
Ureter	38	0	21	5	2	10
Other Urinary Organs	22	0	11	6	1	4
Eye and Orbit	50	0	12	0	1	37
Brain and Other Nervous System	580	0	381	14	6	179
Brain	540	0	368	12	5	155
Meninges	20	0	10	1	1	8
Spinal Cord, Cranial Nerves, & Other Parts of CNS	20	0	3	1	0	16
Endocrine System	757	0	485	142	43	87
Thyroid Gland	696	0	465	136	34	61
Adrenal Gland	30	0	8	4	7	11
Other Endocrine (Including Thymus)	31	0	12	2	2	15
Hodgkin's Lymphoma	214	0	83	30	51	50
Non-Hodgkin's Lymphoma	1,316	0	359	112	426	419
Multiple Myeloma	372	0	1	0	353	18
Leukemia	1,204	0	32	9	1,043	120
Lymphocytic	451	0	0	0	447	4
Acute Lymphocytic	141	0	0	0	141	0
Chronic Lymphocytic	278	0	0	0	275	3
Other Lymphocytic	32	0	0	0	31	1
Myeloid and Monocytic	478	0	0	0	468	10
Acute Myeloid	330	0	0	0	323	7
Acute Monocytic	17	0	0	0	17	0
Chronic Myeloid	108	0	0	0	107	1
Other Myeloid/Monocytic	23	0	0	0	21	2
Other	130	0	0	0	99	31
Other Acute	49	0	0	0	41	8
Aleukemic, Subleukemic and NOS	81	0	0	0	58	23
Mesothelioma	91	0	18	8	15	50
Kaposi Sarcoma	54	0	14	1	14	25
Other, Ill-Defined and Unspecified Sites	1,201	0	0	1	60	1,140

Table 8. Top Ten Types of Cancer Incidence by County/Region of Residence, Nevada Residents, 1997-2001

Rank	Type of Cancer		County/Region of Residence			
			Nevada Total	Clark	Washoe	All Other Counties
1	Lung and Bronchus	Incidence	7,336	5,117	1,102	1,113
		Rate*	81.77	85.42	74.29	74.69
		95% C.I.	(79.9-83.7)	(83.0-87.9)	(69.9-78.9)	(70.3-79.3)
2	Breast*	Incidence	6,420	4,274	1,254	889
		Rate*	135.20	134.37	154.28	118.04
		95% C.I.	(131.9-138.6)	(130.3-138.5)	(145.8-163.1)	(110.4-126.1)
3	Prostate*	Incidence	5,337	3,408	1,053	874
		Rate*	125.66	119.84	151.02	123.95
		95% C.I.	(122.1-129.4)	(115.5-124.3)	(141.6-161.0)	(115.5-133.0)
4	Colorectal	Incidence	4,530	3,118	775	637
		Rate*	52.43	54.15	53.32	44.71
		95% C.I.	(50.9-54.0)	(52.2-56.2)	(49.6-57.3)	(41.2-48.4)
5	Urinary Bladder	Incidence	2,068	1,376	337	354
		Rate*	23.86	23.79	23.12	24.68
		95% C.I.	(22.8-24.9)	(22.5-25.1)	(20.7-25.8)	(22.1-27.5)
6	Non-Hodgkin's Lymphoma	Incidence	1,316	839	259	217
		Rate*	14.65	14.10	16.86	14.84
		95% C.I.	(13.9-15.5)	(13.1-15.1)	(14.8-19.1)	(12.9-17.0)
7	Kidney and Renal Pelvis	Incidence	1,090	711	204	174
		Rate*	11.80	11.49	13.07	11.78
		95% C.I.	(11.1-12.5)	(10.6-12.4)	(11.3-15.0)	(10.1-13.7)
8	Leukemia	Incidence	1,059	742	163	153
		Rate*	12.05	12.64	10.90	10.94
		95% C.I.	(11.3-12.8)	(11.7-13.6)	(9.3-12.8)	(9.2-12.9)
9	Lip, Oral Cavity and Pharynx	Incidence	994	670	180	---
		Rate*	10.62	10.68	11.50	---
		95% C.I.	(10.0-11.3)	(9.9-11.6)	(9.9-13.4)	---
10	Pancreas	Incidence	951	---	154	150
		Rate*	10.84	---	10.49	10.42
		95% C.I.	(10.1-11.6)	---	(8.9-12.3)	(8.8-12.3)
---	Total	Incidence	40,863	27,522	7,239	6,080
		Rate*	453.43	456.94	476.32	415.82
		95% C.I.	(448.9-457.9)	(451.4-462.5)	(465.3-487.6)	(405.3-426.6)

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.

Note: The "—" indicates that this type of cancer was not in the Top Ten for this specific region.

Table 9. Top Ten Types of Cancer Incidence by Age Group, Nevada Residents, 1997-2001

Ranking	Age Group								
	0-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	Total
1	Leukemia 115 39.4%	Thyroid Gland 42 14.6%	Thyroid Gland 125 14.5%	Breast 668 29.5%	Breast 1,393 26.3%	Lung and Bronchus 1,699 18.5%	Lung and Bronchus 2,806 22.5%	Lung and Bronchus 2,052 20.2%	Lung and Bronchus 7,336 18.0%
2	Brain and OCNS 53 18.2%	HL 33 11.5%	Breast 106 12.3%	Thyroid Gland 165 7.3%	Lung and Bronchus 627 11.8%	Breast 1,578 17.2%	Prostate 2,225 17.8%	Colorectal 1,532 15.1%	Breast 6,493 15.9%
3	NHL 17 5.8%	Leukemia 30 10.5%	Skin 75 8.7%	Colorectal 157 6.9%	Colorectal 458 8.6%	Prostate 1,456 15.9%	Breast 1,564 12.5%	Prostate 1,249 12.3%	Prostate 5,337 13.1%
4	KRP 15 5.1%	Skin 27 9.4%	NHL 63 7.3%	Skin 156 6.9%	Prostate 381 7.2%	Colorectal 898 9.8%	Colorectal 1,444 11.6%	Breast 1,171 11.5%	Colorectal 4,530 11.1%
5	Liver and IBD 8 2.7%	Brain and OCNS 20 7.0%	Cervix Uteri 57 6.6%	Lung and Bronchus 129 5.7%	Skin 209 3.9%	Urinary Bladder 390 4.3%	Urinary Bladder 717 5.7%	Urinary Bladder 727 7.2%	Urinary Bladder 2,068 5.1%
6	HL 7 2.4%	NHL 17 5.9%	HL 49 5.7%	Cervix Uteri 120 5.3%	NHL 199 3.8%	LOCP 312 3.4%	NHL 342 2.7%	NHL 343 3.4%	NHL 1,316 3.2%
7	LOCP 4 1.4%	Ovary 7 2.4%	Brain and OCNS 43 5.0%	NHL 90 4.0%	KRP 174 3.3%	KRP 290 3.2%	Pancreas 304 2.4%	Pancreas 304 3.0%	KRP 1,090 2.7%
8	Urinary Bladder 3 1.0%	Cervix Uteri 6 2.1%	Leukemia 38 4.4%	Ovary 74 3.3%	LOCP 172 3.2%	NHL 243 2.6%	KRP 302 2.4%	Leukemia 300 3.0%	Skin 1,083 2.7%
9	Thyroid Gland 2 0.7%	Breast 4 1.4%	Colorectal 34 3.9%	KRP 71 3.1%	Urinary Bladder 167 3.1%	CU & Uterus NOS 213 2.3%	LOCP 273 2.2%	KRP 225 2.2%	Leukemia 1,059 2.6%
10	Breast 1 0.3%	LOCP 4 1.4%	Ovary 34 3.9%	Leukemia 59 2.6%	Thyroid Gland 166 3.1%	Pancreas 210 2.3%	Leukemia 261 2.1%	Stomach 215 2.1%	LOCP 994 2.4%
Sum	225	190	624	1,689	3,946	7,289	10,238	8,118	31,306
Percent	77.1%	66.2%	72.3%	74.7%	74.4%	79.4%	81.9%	80.0%	76.6%
Total	292 100.0%	287 100.0%	863 100.0%	2,262 100.0%	5,302 100.0%	9,176 100.0%	12,497 100.0%	10,142 100.0%	40,863 100.0%

Abbreviations: Brain and OCNS = Brain and Other Central Nervous System, CU & Uterus NOS = Corpus Uteri and Uterus NOS, HL = Hodgkin's Lymphoma, KRP = Kidney and Renal Pelvis, LOCP = Lip, Oral Cavity and Pharynx, Liver and IBD = Liver and Intrahepatic Bile Ducts, NHL = Non-Hodgkin's Lymphoma.

Note: Those cases with unknown ages are not shown separately, but are included in the total.

Table 10. Median Age at Time of Diagnosis by Leading Types of Cancer and Race/Ethnicity, Nevada Residents, 1997-2001

Type of Cancer	Race/Ethnicity											
	White		Black		Native American		Asian		Hispanic		Total	
	Number	Age	Number	Age	Number	Age	Number	Age	Number	Age	Number	Age
Lung and Bronchus	6,623	69.0	329	66.0	41	68.0	137	67.0	183	68.0	7,329	69.0
Breast	5,672	62.0	330	59.0	20	57.0	169	57.0	224	53.0	6,485	61.0
Prostate	4,686	68.0	326	66.0	23	70.0	77	67.0	174	68.0	5,327	68.0
Colorectal	4,022	70.0	224	67.0	15	64.0	106	64.0	129	67.0	4,525	70.0
Urinary Bladder	1,896	71.0	68	69.0	9	61.0	22	72.0	63	67.0	2,067	71.0
Non-Hodgkin's Lymphoma	1,175	66.0	44	54.0	5	41.0	29	63.0	55	59.0	1,314	65.0
Kidney and Renal Pelvis	942	64.0	63	61.0	8	70.5	19	64.0	50	65.0	1,089	64.0
Leukemia	919	68.0	39	59.0	3	---	24	58.5	68	35.0	1,058	66.0
Lip, Oral Cavity and Pharynx	886	62.0	42	62.0	5	61.0	13	66.0	35	56.0	993	62.0
Pancreas	817	69.0	61	67.0	5	67.0	18	69.0	47	66.0	951	69.0
Skin	1,030	58.0	17	62.0	4	---	4	---	23	49.0	1,082	58.0
Corpus Uteri & Uterus NOS	753	65.0	34	63.0	4	---	23	54.0	33	59.0	852	64.0
Ovary	648	63.0	32	60.0	5	55.0	18	63.0	29	43.0	737	62.0
Thyroid Gland	580	45.0	28	41.0	4	---	41	48.0	37	42.0	696	45.0
Stomach	474	71.0	30	67.0	2	---	23	72.0	33	65.0	564	71.0
Brain and Other Central Nervous System	493	59.0	21	57.0	2	---	20	55.0	40	38.0	580	58.0
Cervix Uteri	397	49.0	27	50.0	0	---	24	55.0	43	52.0	497	50.0
Liver and Intrahepatic Bile Ducts	406	68.0	36	63.5	4	---	39	57.0	29	60.0	515	67.0
Esophagus	420	67.5	34	64.0	2	---	10	63.0	14	61.0	481	67.0
Larynx	313	65.0	17	63.0	2	---	0	---	14	61.0	348	65.0
Multiple Myeloma	311	68.0	22	64.0	6	74.5	10	68.0	20	63.0	369	67.0
Hodgkin's Lymphoma	184	41.0	11	42.0	2	---	8	29.0	9	25.0	214	39.0
All Other Sites	2,392	66.0	149	62.0	14	64.5	44	62.5	138	54.0	2,748	65.0
Total	36,039	67.0	1,984	64.0	185	65.0	878	62.0	1,490	61.0	40,821	66.0

Note: Those of other/unknown race/ethnicity are not shown separately, but are included in the total. Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

HIGHLIGHTS

- Lung and Bronchus Cancer was the leading type of Cancer for inpatient discharges in Nevada from 1997 to 2001. This type of cancer accounted for 15.0% of all resident cancer inpatient hospital discharges. The second leading type of cancer was Colorectal Cancer, which accounted for 12.6% of all cancer inpatient discharges during this period.
- The two leading types of cancer for inpatient hospital discharges, Lung and Bronchus and Colorectal Cancer accounted for 305.2 million dollars in total billed amounts in Nevada from 1997 to 2001. This accounted for 32.8% of the total 1 billion dollars in billed amounts for cancer inpatient hospital discharges during this period.
- The five types of cancer that had the highest average total billed amount for Nevada from 1997 to 2001 were: Leukemia (\$60,984), Stomach (\$54,355), Esophagus (\$43,963), Ovary (\$41,285), and Larynx (\$41,256) Cancer.
- The five types of cancer that had the highest median total billed amount for Nevada from 1997 to 2001 were: Stomach (\$35,342), Larynx (\$30,842), Brain and Other Central Nervous System (\$30,345), Leukemia (\$29,255), and Colorectal (\$26,392) Cancer.
- The five types of cancer that had the highest average length of stay (days) for cancer inpatient hospital discharges for Nevada from 1997 to 2001 were: Leukemia (12.72), Stomach (11.07), Esophagus (10.01), Larynx (9.88), and Pancreas (9.58) Cancer.

Figure 9. Top Ten Leading Cancers in Total Inpatient Discharge Charges, Nevada Residents, 1997-2001

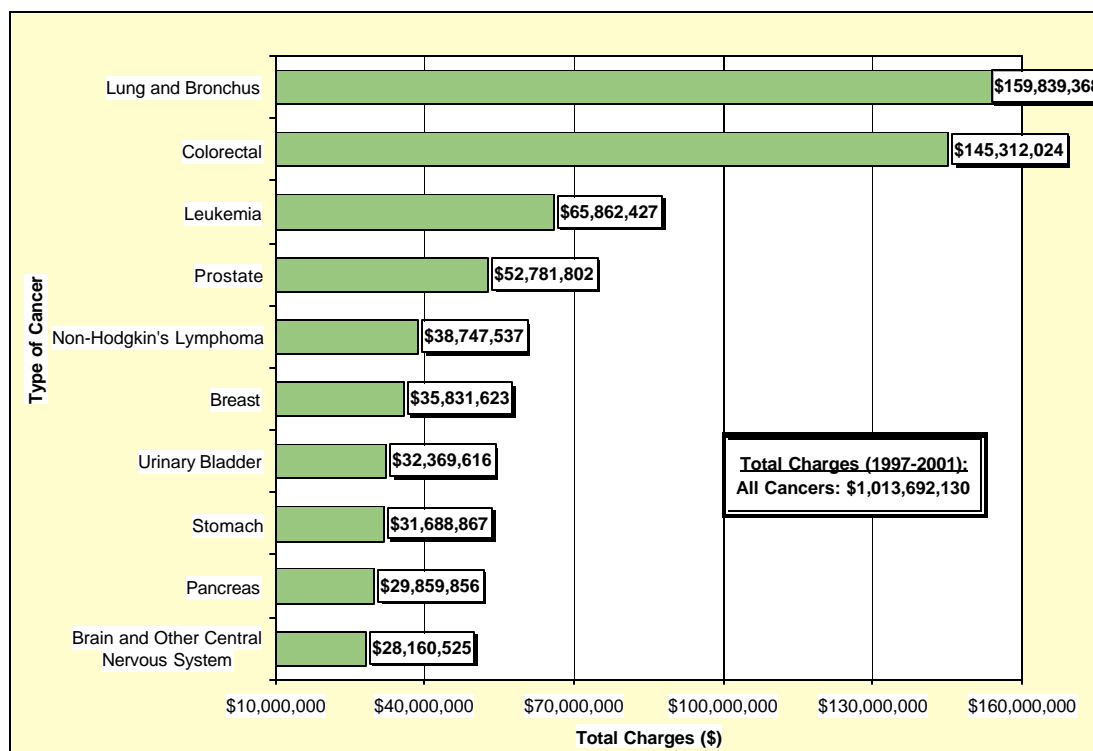


Figure 10. Top Ten Leading Cancers in Average Inpatient Discharge Charges, Nevada Residents, 1997-2001

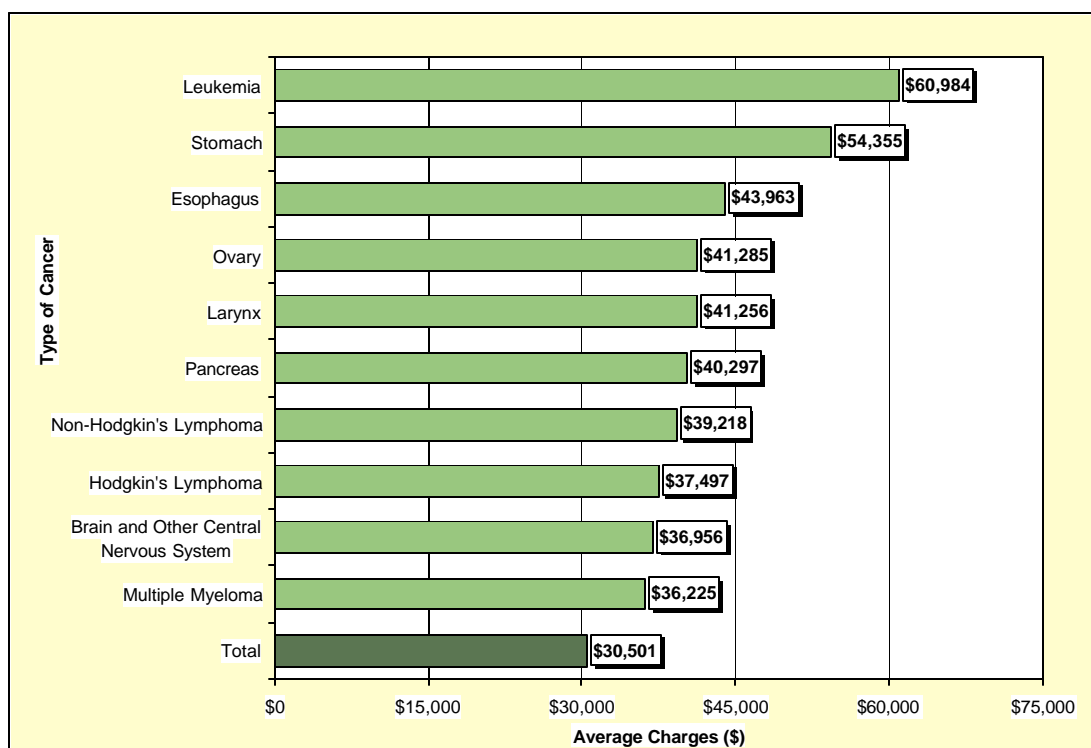


Figure 11. Top Ten Leading Cancers in Median Inpatient Discharge Charges, Nevada Residents, 1997-2001

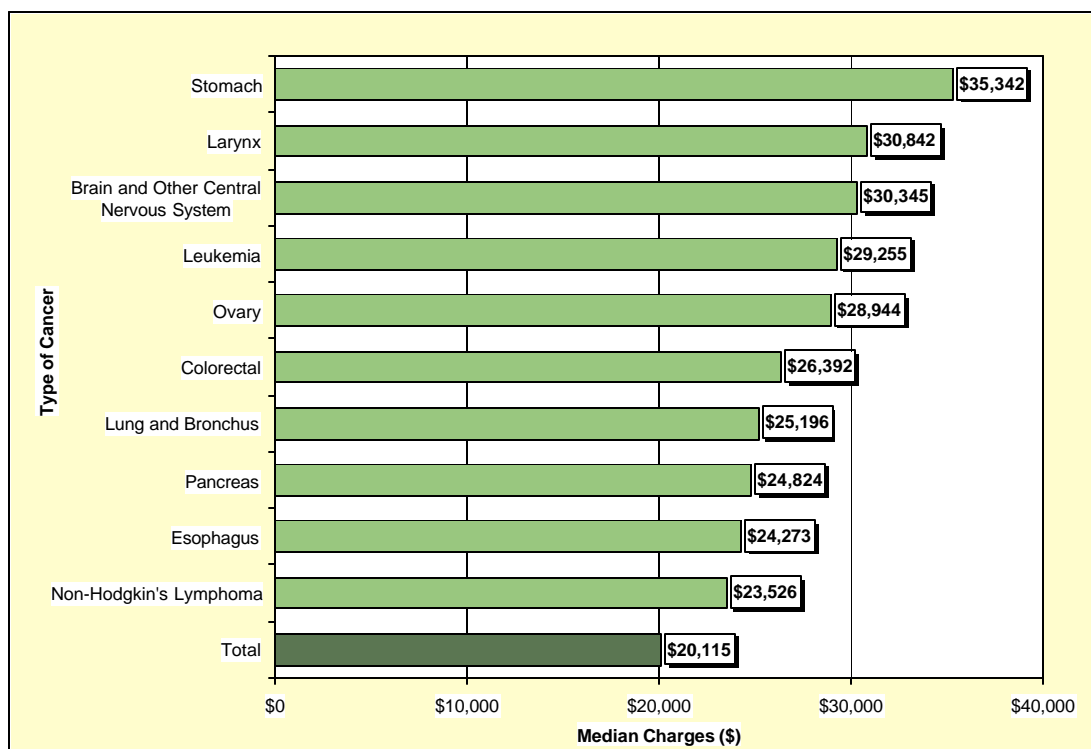


Figure 12. Top Ten Leading Cancers in Total Number of Days Stayed for Inpatient Hospital Discharges, Nevada Residents, 1997-2001

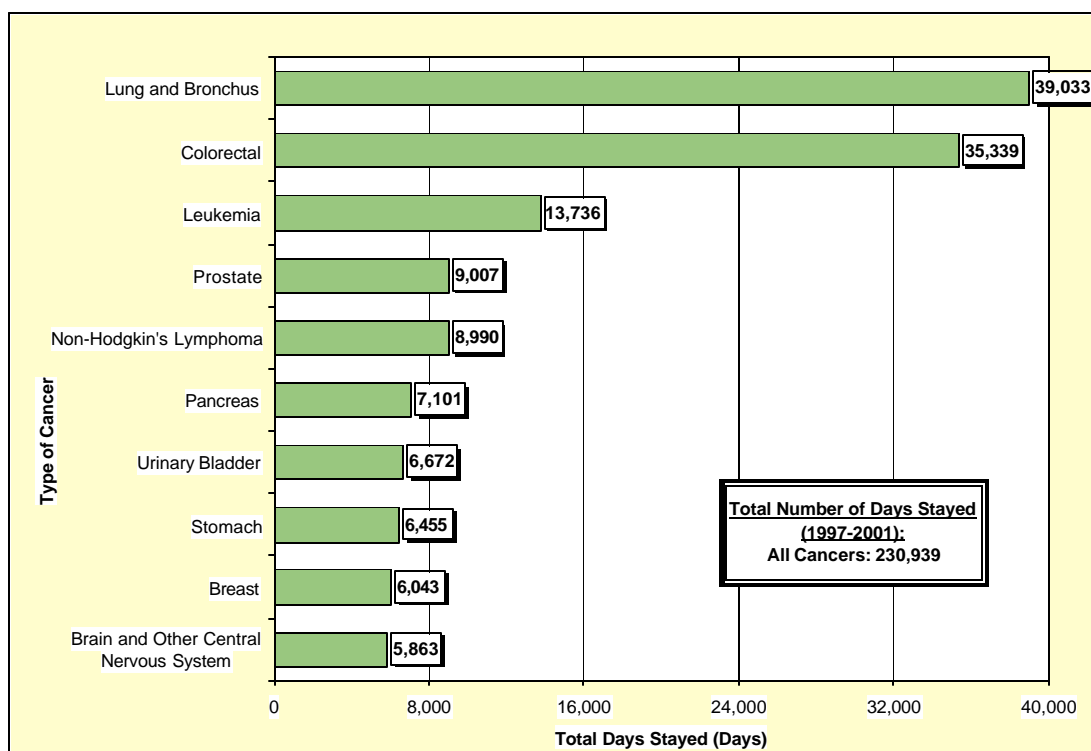


Figure 13. Top Ten Leading Cancers in Average Length of Stay (Days) for Inpatient Hospital Discharges, Nevada Residents, 1997-2001

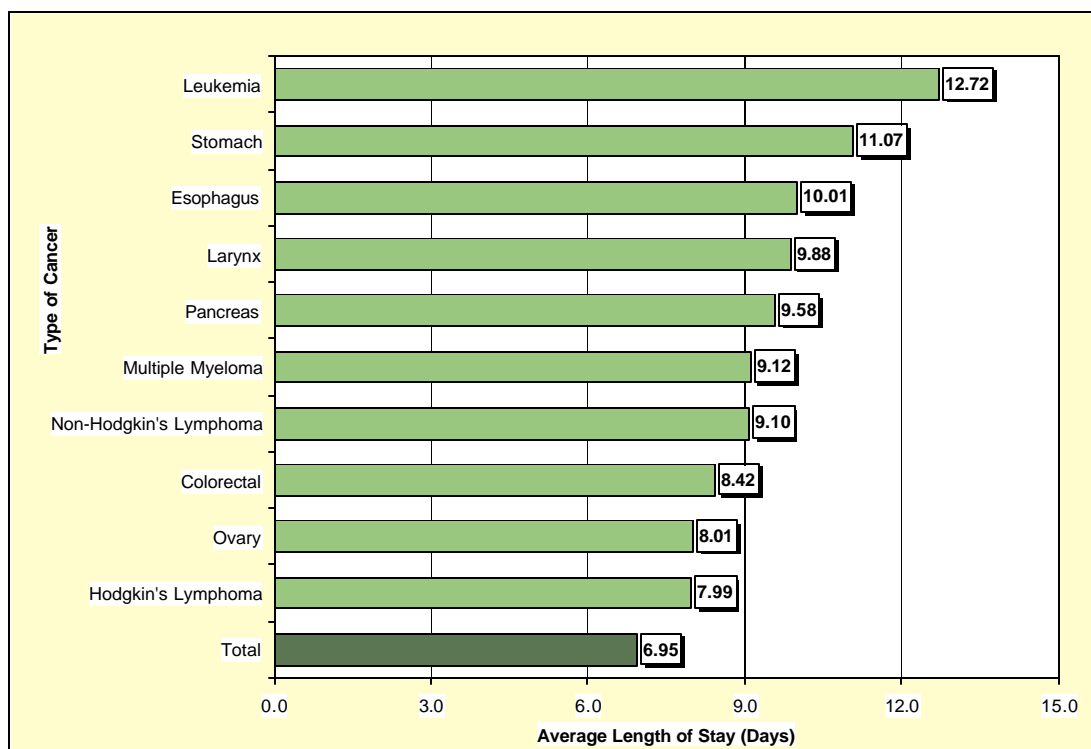


Figure 14. Top Ten Leading Cancers in Median Length of Stay (Days) for Inpatient Hospital Discharges, Nevada Residents, 1997-2001

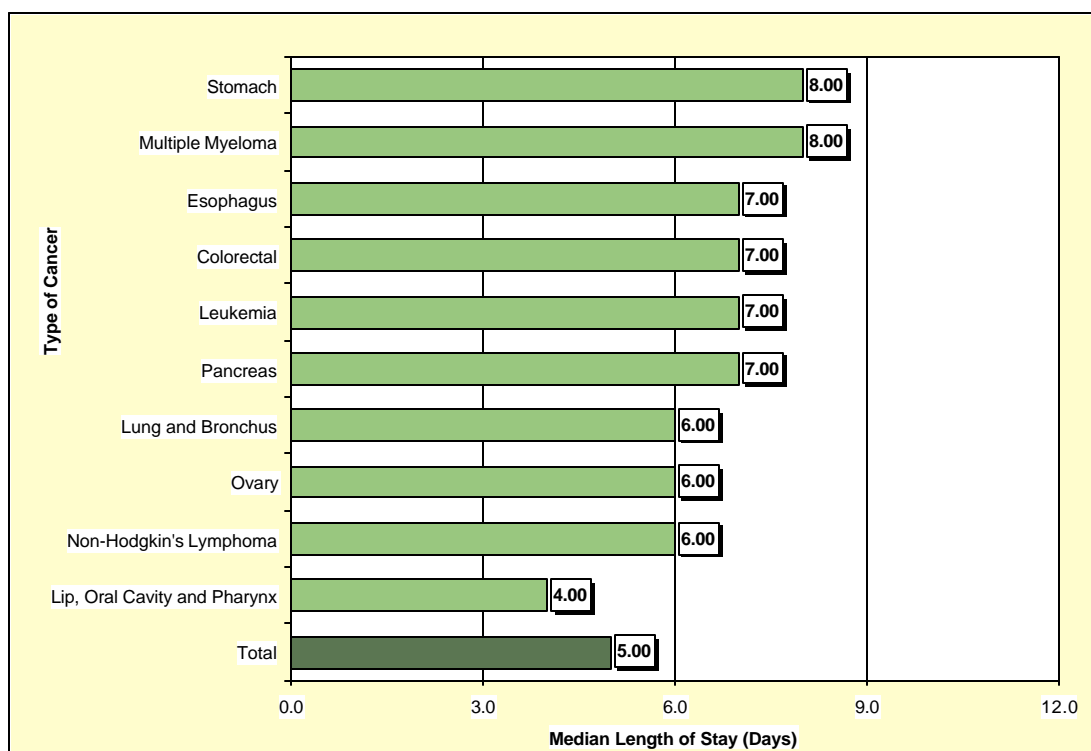


Table 11. Nevada Inpatient Hospital Discharges by Type of Cancer and Gender, Nevada, 1997-2001

Type of Cancer	Total*		Male		Female	
	Number	Rate**	Number	Rate**	Number	Rate**
Total	33,235	364.78	16,125	372.79	17,110	363.40
Lip, Oral Cavity and Pharynx	526	5.55	352	7.59	174	3.64
Lip	8	---	7	---	1	---
Base of Tongue	79	0.81	50	1.02	29	0.60
Other & Unspecified Parts of Tongue	97	1.03	61	1.34	36	0.75
Parotid Gland	47	0.50	30	0.66	17	0.36
Other & Unspecified Major Salivary glands	9	---	7	---	2	---
Floor of Mouth	59	0.60	37	0.75	22	0.45
Gum	27	0.30	17	0.36	10	0.22
Palate	12	0.13	5	---	7	---
Other & Unspecified Parts of Mouth	27	0.29	18	0.42	9	---
Nasopharynx	23	0.24	17	0.35	6	---
Tonsil	46	0.48	35	0.70	11	0.24
Oropharynx	23	0.23	20	0.40	3	---
Pyriform Sinus	20	0.21	16	0.36	4	---
Hypopharynx	25	0.28	15	0.32	10	0.22
Other & Unspecified Oral (Buccal) Cavity & Pharynx	24	0.26	17	0.40	7	---
Digestive System	6,591	75.45	3,624	87.08	2,967	65.08
Esophagus	297	3.23	224	5.07	73	1.56
Stomach	583	6.64	398	9.63	185	4.05
Small Intestine	135	1.48	74	1.64	61	1.30
Colon (excluding Rectum)	2,825	33.22	1,392	34.69	1,433	31.88
Cecum	548	6.66	246	6.24	302	6.89
Appendix	25	0.27	9	---	16	0.33
Ascending Colon	543	6.44	259	6.55	284	6.35
Hepatic Flexure	99	1.21	52	1.27	47	1.10
Transverse Colon	250	2.95	120	3.09	130	2.87
Splenic Flexure	101	1.18	43	1.20	58	1.24
Descending Colon	155	1.73	89	2.17	66	1.40
Sigmoid Colon	793	9.14	421	10.21	372	8.20
Large Intestine, NOS	311	3.63	153	3.77	158	3.50
Rectum	662	7.52	377	9.02	285	6.21
Rectosigmoid Junction	576	6.41	329	7.51	247	5.34
Anus, Anal Canal and Anorectum	133	1.47	71	1.68	62	1.32
Liver	308	3.28	213	4.68	95	1.99
Intrahepatic Bile Ducts	39	0.45	19	0.46	20	0.44
Gallbladder	38	0.47	14	0.38	24	0.55
Other & Unspecified Biliary Tract	145	1.73	76	2.03	69	1.52
Pancreas	741	8.36	390	9.21	351	7.61
Retroperitoneum	53	0.57	34	0.77	19	0.41
Peritoneum, Omentum and Mesentery	52	0.56	11	0.23	41	0.86
Other Digestive Organs	4	---	2	---	2	---
Respiratory System	5,337	58.35	2,871	66.26	2,466	51.93
Nasal Cavity and Middle Ear	11	0.12	6	---	5	---
Accessory Sinuses	17	0.18	12	0.25	5	---
Larynx	203	2.18	160	3.60	43	0.90
Lung and Bronchus	4,965	54.28	2,601	59.93	2,364	49.79
Pleura	66	0.78	51	1.40	15	0.32
Trachea	18	0.19	10	0.21	8	---
Mediastinum and Other Respiratory Organs	57	0.62	31	0.73	26	0.54
Bones, Joints and Articular Cartilage	116	1.23	56	1.15	60	1.29
Bones, Joints & Articular Cartilage of Limbs	48	0.51	23	0.47	25	0.55
Bones, Joints & Articular Cartilage of Other & Unspec Sites	68	0.71	33	0.67	35	0.74
Soft Tissue (Including Heart)	125	1.38	61	1.47	64	1.36
Heart	2	---	1	---	1	---
Peripheral Nerves & Autonomic Nervous System	0	---	0	---	0	---
Connective, Subcutaneous & Other Soft Tissues	123	1.36	60	1.45	63	1.34

* Those of unknown gender are not shown separately, but are included in the total.

** Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten.

Table 11. Nevada Inpatient Hospital Discharges by Type of Cancer and Gender, Nevada, 1997-2001 (Continued)

Type of Cancer	Total*		Male		Female	
	Number	Rate**	Number	Rate**	Number	Rate**
Total	33,235	364.78	16,125	372.79	17,110	363.40
Skin (Excluding Basal And Squamous)	240	2.72	152	3.68	88	1.92
Melanomas Of The Skin	83	0.91	54	1.28	29	0.61
Other Non-Epithelial Skin	157	1.81	98	2.40	59	1.31
Breast	2,608	28.45	19	0.52	2,589	54.69
Female Genital System	2,349	25.18	0	---	2,349	49.24
Cervix Uteri	646	6.65	0	---	646	13.39
Corpus Uteri	801	8.60	0	---	801	16.73
Uterus, NOS	27	0.30	0	---	27	0.58
Ovary	669	7.21	0	---	669	14.04
Vagina	53	0.59	0	---	53	1.13
Vulva	117	1.45	0	---	117	2.63
Placenta	1	---	0	---	1	---
Other Female Genital Organs	35	0.36	0	---	35	0.71
Male Genital System	2,605	27.49	2,605	57.52	0	---
Prostate	2,536	26.77	2,536	56.03	0	---
Testis	51	0.51	51	0.98	0	---
Penis	15	0.19	15	0.45	0	---
Other Male Genital Organs	3	---	3	---	0	---
Urinary System	1,995	22.37	1,391	33.37	604	12.98
Urinary Bladder	1,022	11.93	762	19.40	260	5.76
Kidney	819	8.73	528	11.53	291	6.11
Renal Pelvis	86	0.96	58	1.44	28	0.58
Ureter	49	0.54	35	0.82	14	0.30
Other Urinary Organs	19	0.20	8	---	11	0.22
Eye and Orbit	4	---	2	---	2	---
Brain and Other Central Nervous System	762	8.05	449	9.55	313	6.58
Brain	706	7.47	425	9.05	281	5.92
Meninges	37	0.39	14	0.31	23	0.47
Spinal Cord, Cranial Nerves, & Other Parts of CNS	19	0.19	10	0.20	9	---
Endocrine System	1,032	10.56	235	4.93	797	16.48
Thyroid Gland	985	10.06	216	4.47	769	15.92
Adrenal Gland	21	0.22	9	---	12	0.24
Other Endocrine (Including Thymus)	26	0.28	10	0.26	16	0.32
Hodgkin's Lymphoma	116	1.19	63	1.25	53	1.11
Non-Hodgkin's Lymphoma	988	11.01	550	12.84	438	9.44
Multiple Myeloma	321	3.49	193	4.44	128	2.69
Leukemia	1,080	11.77	628	14.22	452	9.60
Lymphocytic	440	4.72	262	5.72	178	3.79
Acute Lymphocytic	0	---	171	3.42	115	2.40
Chronic Lymphocytic	150	1.76	88	2.22	62	1.37
Other Lymphocytic	4	---	3	---	1	---
Myeloid and Monocytic	573	6.30	333	7.75	240	5.08
Acute Myeloid	458	5.00	256	5.79	202	4.28
Acute Monocytic	9	---	5	---	4	---
Chronic Myeloid	103	1.17	69	1.78	34	0.71
Other Myeloid/Monocytic	3	---	3	---	0	---
Other	67	0.75	33	0.76	34	0.73
Other Acute	47	0.54	23	0.54	24	0.53
Aleukemic, Subleukemic and NOS	20	0.21	10	0.22	10	0.20
Mesothelioma	0	---	0	---	0	---
Kaposi Sarcoma	2	---	1	---	1	---
Other, Ill-Defined and Unspecified Sites	6,438	70.48	2,873	66.86	3,565	75.29

* Those of unknown gender are not shown separately, but are included in the total.

** Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.

Note: The "—" is used for rates calculated on numbers less than ten.

Table 12. Top Ten Types of Cancer Inpatient Hospital Discharges by County/Region of Residence, Nevada Residents, 1997-2001

Rank	Type of Cancer		County/Region of Residence			
			Nevada Total	Clark	Washoe	All Other Counties
1	Lung and Bronchus	Admissions	4,965	3,562	748	654
		Rate*	54.28	58.13	49.49	43.60
		95% C.I.	(52.8-55.8)	(56.2-60.1)	(46.0-53.2)	(40.3-47.2)
2	Colorectal	Admissions	4,196	2,928	706	562
		Rate*	48.62	50.70	49.21	39.44
		95% C.I.	(47.1-50.2)	(48.8-52.7)	(45.6-53.1)	(36.2-42.9)
3	Breast*	Admissions	2,589	1,787	459	341
		Rate*	54.69	56.35	56.47	45.57
		95% C.I.	(52.6-56.9)	(53.8-59.1)	(51.4-61.9)	(40.8-50.7)
4	Prostate*	Admissions	2,536	1,679	426	431
		Rate*	56.03	55.84	56.16	56.85
		95% C.I.	(53.8-58.4)	(53.0-58.8)	(50.8-62.2)	(51.4-62.9)
5	Leukemia	Admissions	1,080	807	138	134
		Rate*	11.77	13.04	8.81	9.59
		95% C.I.	(11.1-12.5)	(12.1-14.0)	(7.4-10.5)	(8.0-11.4)
6	Urinary Bladder	Admissions	1,022	728	144	149
		Rate*	11.93	12.85	10.05	10.22
		95% C.I.	(11.2-12.7)	(11.9-13.9)	(8.5-11.9)	(8.6-12.1)
7	Non-Hodgkin's Lymphoma	Admissions	988	673	182	133
		Rate*	11.01	11.18	12.05	9.20
		95% C.I.	(10.3-11.7)	(10.3-12.1)	(10.3-14.0)	(7.7-11.0)
8	Corpus Uteri & Uterus NOS	Admissions	828	582	128	118
		Rate*	17.31	18.04	15.81	15.85
		95% C.I.	(16.1-18.5)	(16.6-19.6)	(13.2-18.8)	(13.1-19.0)
9	Kidney and Renal Pelvis	Admissions	905	611	144	150
		Rate*	9.70	9.77	9.18	9.95
		95% C.I.	(9.1-10.4)	(9.0-10.6)	(7.7-10.9)	(8.4-11.7)
10	Thyroid Gland	Admissions	985	757	151	---
		Rate*	10.06	11.38	8.81	---
		95% C.I.	(9.4-10.7)	(10.6-12.2)	(7.5-10.4)	---
---	Total	Admissions	33,235	23,445	5,453	4,325
		Rate*	364.78	383.60	357.93	293.70
		95% C.I.	(360.8-368.8)	(378.6-388.7)	(348.4-367.7)	(284.9-302.8)

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.

Note: The "----" indicates that this type of cancer was not in the Top Ten for this specific region.

Table 13. Top Ten Types of Cancer Hospital Discharges by Age Group, Nevada Residents, 1997-2001

Abbreviations: Brain and OCNS = Brain and Other Central Nervous System, CU & Uterus NOS = Corpus Uteri and Uterus NOS, HL = Hodgkin's Lymphoma, KRP = Kidney and Renal Pelvis, LOCP = Lip, Oral Cavity and Pharynx, Liver and IBD = Liver and Intrahepatic Bile Ducts, NHL = Non-Hodgkin's Lymphoma.
 Note: Those cases with unknown ages are not shown separately, but are included in the total.

Ranking	Age Group								
	0-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	Total
1	Leukemia 216 48.0%	Leukemia 58 19.9%	Thyroid Gland 179 22.3%	Breast 293 14.3%	Breast 523 11.7%	Lung and Bronchus 1,267 16.1%	Lung and Bronchus 1,870 19.1%	Colorectal 1,456 19.4%	Lung and Bronchus 9,930 14.9%
2	Brain and OCNS 68 15.1%	Thyroid Gland 57 19.6%	Leukemia 66 8.2%	Thyroid Gland 268 13.0%	Lung and Bronchus 480 10.8%	Prostate 941 12.0%	Colorectal 1,347 13.7%	Lung and Bronchus 1,211 16.1%	Colorectal 8,392 12.6%
3	KRP 24 5.3%	Brain and OCNS 22 7.6%	Cervix Uteri 62 7.7%	Cervix Uteri 179 8.7%	Colorectal 414 9.3%	Colorectal 824 10.5%	Prostate 963 9.8%	Breast 518 6.9%	Breast 5,216 7.8%
4	NHL 18 4.0%	NHL 21 7.2%	Brain and OCNS 57 7.1%	Lung and Bronchus 124 6.0%	Prostate 273 6.1%	Breast 610 7.8%	Breast 610 6.2%	Urinary Bladder 410 5.5%	Prostate 5,072 7.6%
5	Liver and IBD 15 3.3%	HL 18 6.2%	NHL 54 6.7%	Colorectal 121 5.9%	Thyroid Gland 220 4.9%	KRP 238 3.0%	Urinary Bladder 338 3.4%	Prostate 347 4.6%	Leukemia 2,160 3.2%
6	Thyroid Gland 7 1.6%	Cervix Uteri 10 3.4%	Breast 51 6.4%	Brain and OCNS 92 4.5%	Cervix Uteri 158 3.5%	CU & Uterus NOS 199 2.5%	NHL 263 2.7%	NHL 260 3.5%	Urinary Bladder 2,044 3.1%
7	HL 6 1.3%	Ovary 6 2.1%	Colorectal 31 3.9%	Ovary 66 3.2%	KRP 149 3.3%	Urinary Bladder 193 2.5%	KRP 262 2.7%	Pancreas 210 2.8%	NHL 1,976 3.0%
8	Breast 2 0.4%	Lung and Bronchus 5 1.7%	Ovary 29 3.6%	KRP 62 3.0%	CU & Uterus NOS 147 3.3%	NHL 188 2.4%	Pancreas 254 2.6%	Leukemia 198 2.6%	Thyroid Gland 1,970 3.0%
9	Ovary 2 0.4%	Stomach 5 1.7%	CU & Uterus NOS 22 2.7%	Leukemia 55 2.7%	Ovary 138 3.1%	LOCP 181 2.3%	CU & Uterus NOS 253 2.6%	Stomach 176 2.3%	KRP 1,810 2.7%
10	Urinary Bladder 2 0.4%	Liver and IBD 4 1.4%	HL 20 2.5%	CU & Uterus NOS 53 2.6%	NHL 135 3.0%	Leukemia 171 2.2%	Leukemia 222 2.3%	KRP 161 2.1%	CU & Uterus NOS 1,656 2.5%
Sum	360	206	571	1,313	2,637	4,812	6,382	4,947	40,226
Percent	80.0%	70.8%	71.1%	63.9%	59.1%	61.3%	65.0%	65.9%	60.5%
Total	450 100.0%	291 100.0%	803 100.0%	2,054 100.0%	4,463 100.0%	7,852 100.0%	9,814 100.0%	7,508 100.0%	66,470 100.0%

MORTALITY

HIGHLIGHTS

- Lung and Bronchus Cancer was the leading type of cancer for cancer mortality in Nevada from 1997 to 2001. This type of cancer accounted for 32.0% of all resident cancer deaths during this period. The second leading type of cancer for mortality was Colorectal Cancer, which accounted for 10.8% of all cancer deaths.
- Blacks had the highest ratio of the remaining racial/ethnic groups when compared to the age-adjusted cancer mortality rates for Whites with a comparison ratio of 1.08. This means that for every 100 White cancer deaths Blacks would be expected to have 108 deaths. Native Americans, Asians and Hispanics had comparison ratios of 0.54, 0.54 and 0.46, respectively, for Nevada from 1997 to 2001.
- Stomach Cancer had the highest age-adjusted mortality rate comparison ratio for Blacks when compared to Whites in Nevada from 1997 to 2001 with a ratio of 1.91. This means that for every 100 White Stomach Cancer deaths, Blacks would be expected to have 191 deaths. The type of cancer with the highest comparison ratio for Native Americans was Stomach with a ratio of 1.61, and Asians was Liver and Intrahepatic Bile Ducts with a ratio of 1.87. Stomach also had the highest comparison ratio for Hispanics when compared to Whites with a ratio of 1.33.
- Skin Cancer had the lowest age-adjusted mortality rate comparison ratio for Blacks and Asians when compared to Whites in Nevada from 1997 to 2001 with ratios of 0.15 and 0.11. This means that for every 100 White cancer cases Blacks and Asians would be expected to have 15 and 11 deaths, respectively, from Skin Cancer. The type of cancer with the lowest age-adjusted mortality rate comparison ratio for Native Americans was Urinary Bladder Cancer with a ratio of 0.14 during this period. The type of cancer with the lowest age-adjusted mortality rate comparison ratio for Hispanics was Larynx Cancer with a ratio of 0.08.
- Cervical Cancer had the lowest median age at time of death for Nevada residents from 1997 to 2001 at 55 years. Prostate Cancer had the highest median age at time of death for Nevada residents at 77 years.
- Hodgkin's Lymphoma had the lowest median age at time of death for male Nevada residents from 1997 to 2001 at 55 years, while the highest median age at time of death for males in Nevada was Prostate Cancer at 76 years.
- Cervical Cancer had the lowest median age at time of death for Female Nevada Residents during this same period at 53 years, while the highest median age for females in Nevada was for Stomach and Urinary Bladder Cancer at 75 years.

Figure 15. Top Ten Leading Cancers by Percentage of Total Cancer Mortality, Nevada Residents, 1997-2001

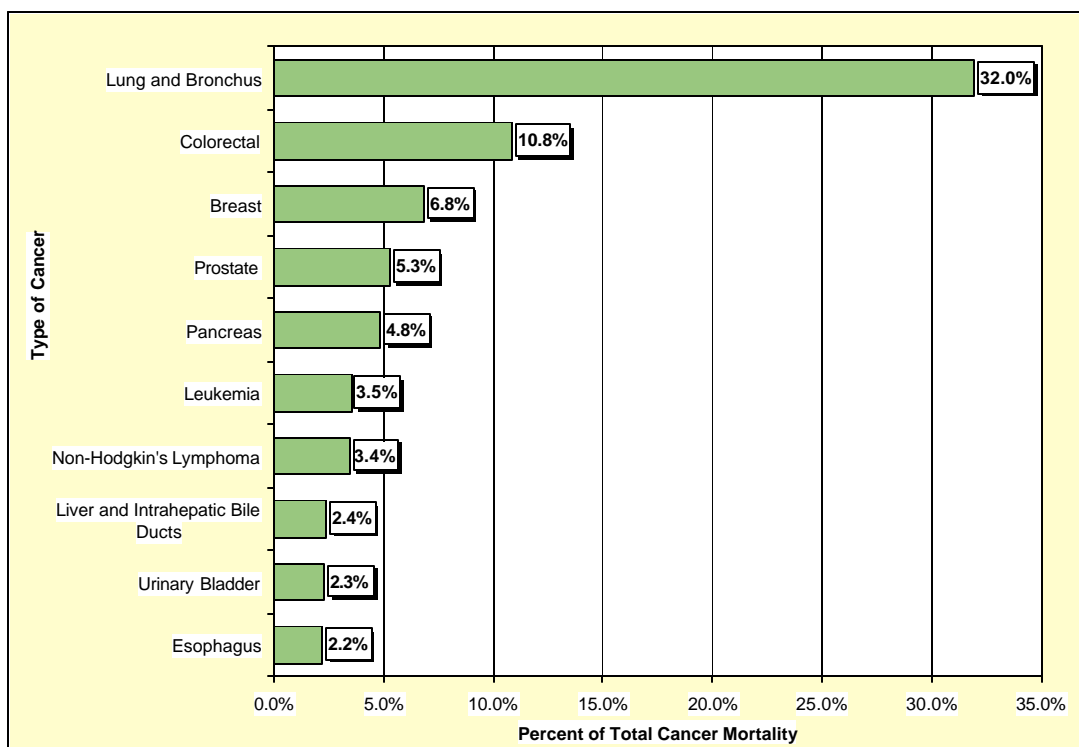


Figure 16. Comparison of Age-Adjusted (2001) Mortality Rates of Blacks compared to Whites, Nevada Residents, 1997-2001

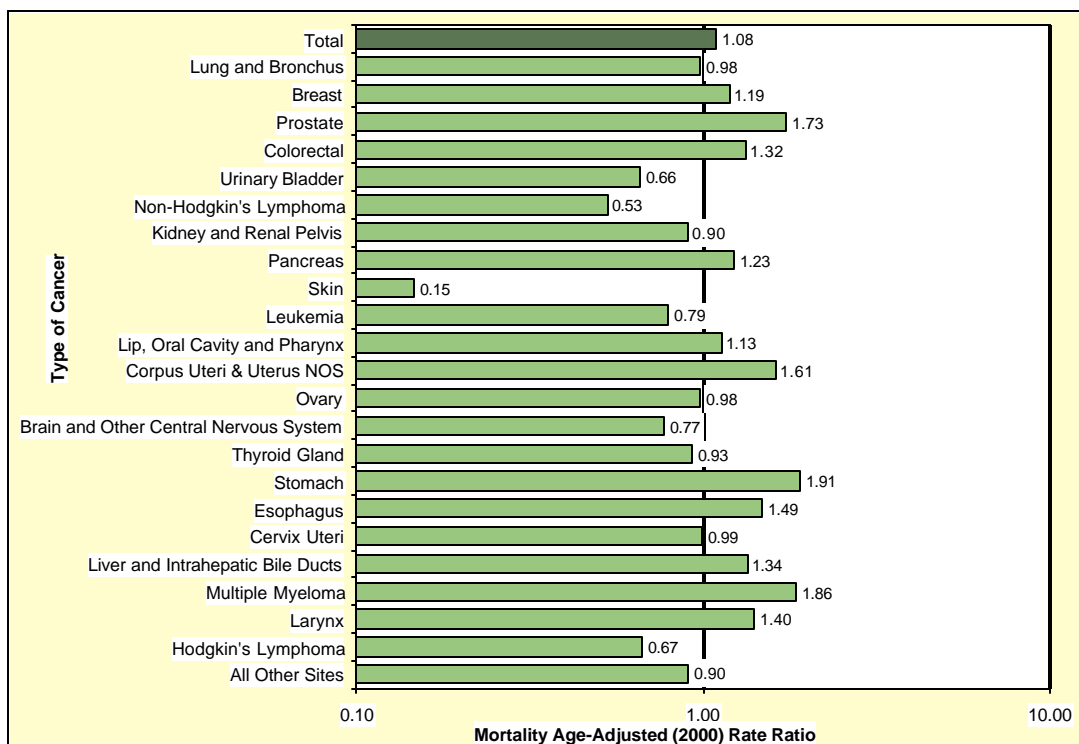
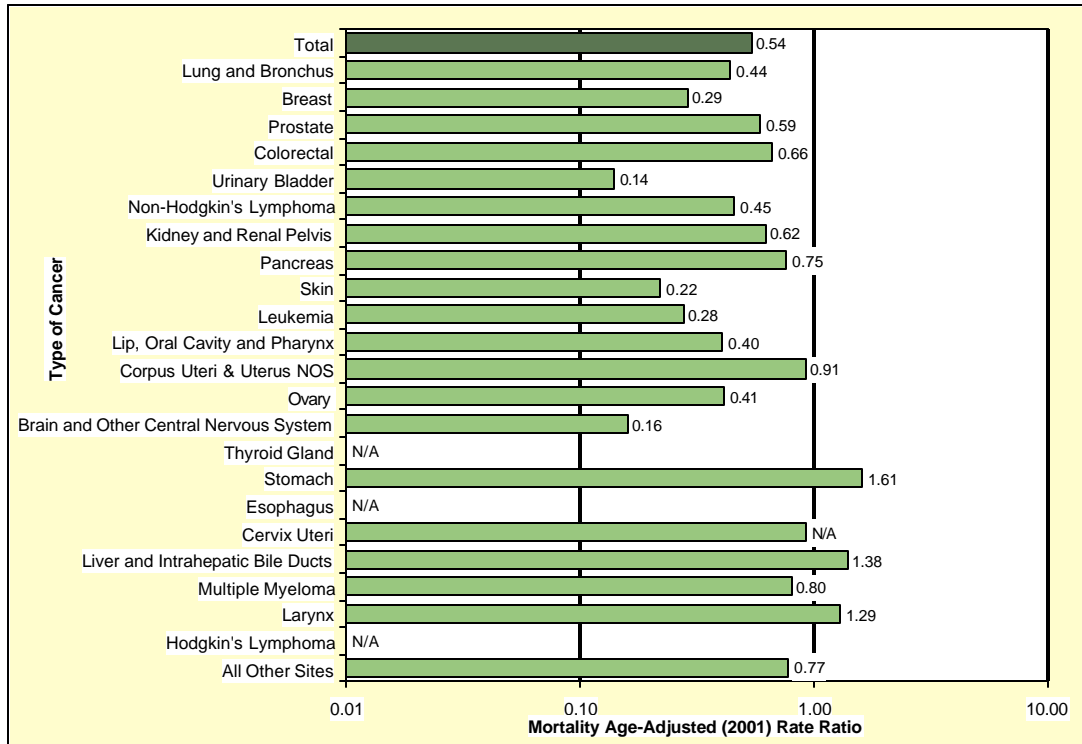
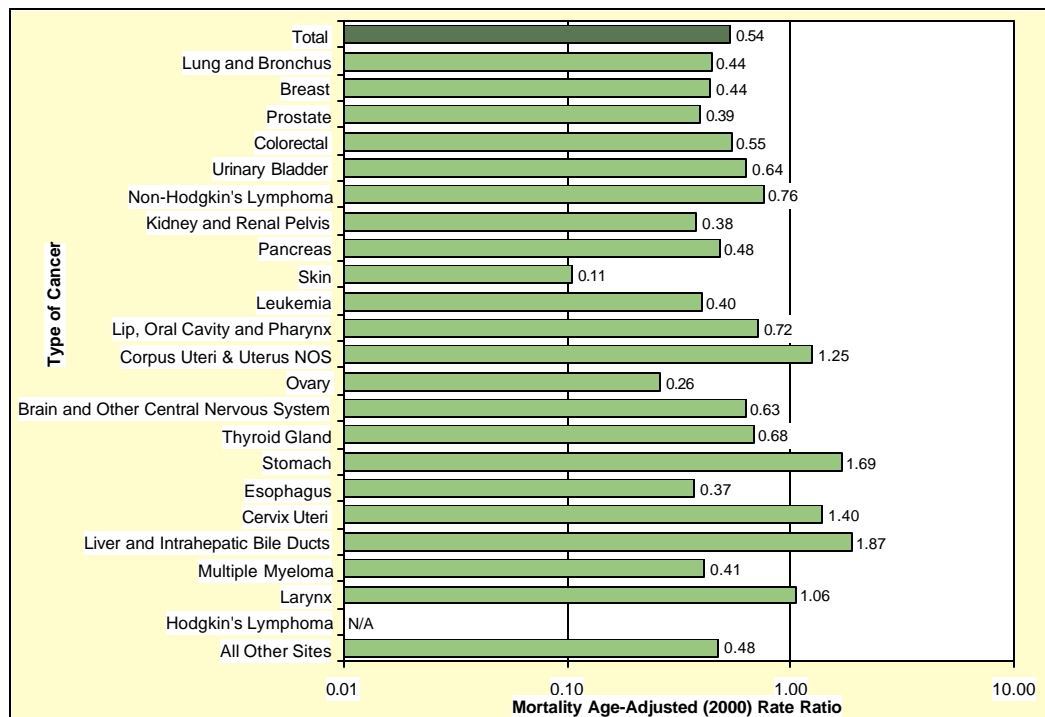


Figure 17. Comparison of Age-Adjusted (2001) Mortality Rates of Native Americans compared to Whites, Nevada Residents, 1997-2001



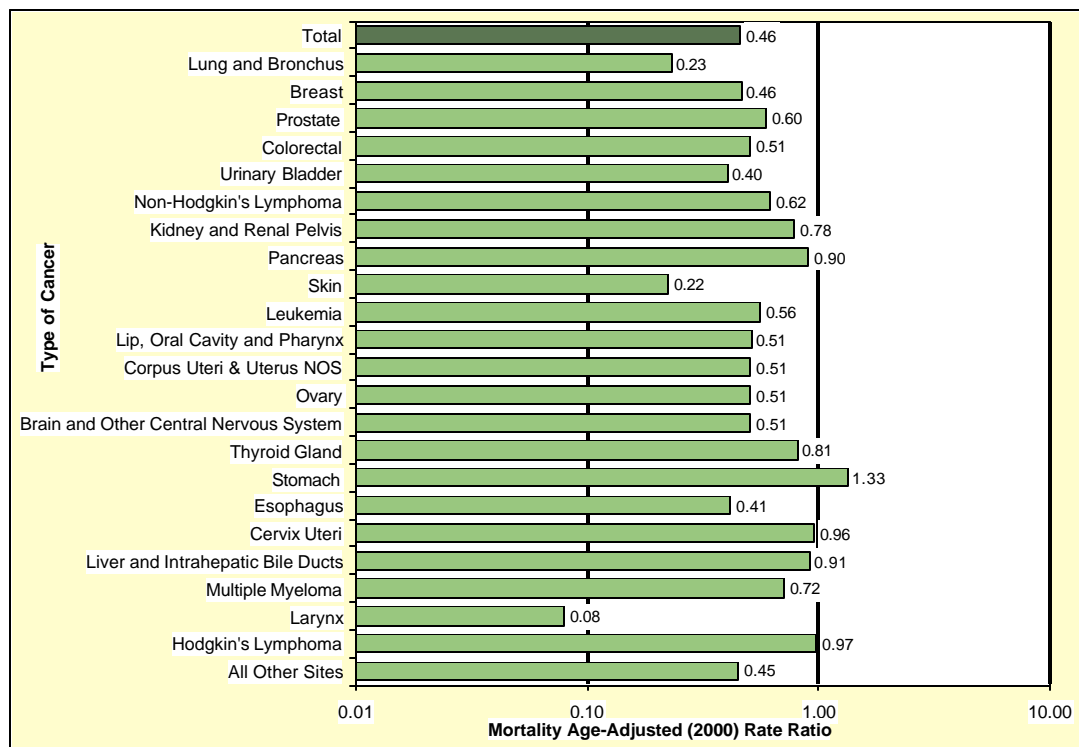
Note: "N/A" indicates that a comparison ratio could not be calculated.

Figure 18. Comparison of Age-Adjusted (2001) Mortality Rates of Asians compared to Whites, Nevada Residents, 1997-2001



Note: "N/A" indicates that a comparison ratio could not be calculated.

Figure 19. Comparison of Age-Adjusted (2001) Mortality Rates of Hispanics compared to Whites, Nevada Residents, 1997-2001



**Table 14. Nevada Mortality by Type of Cancer and Gender,
Nevada, 1997-2001**

Type of Cancer	Total*		Male		Female	
	Number	Rate**	Number	Rate**	Number	Rate**
Total	17,459	204.62	9,476	242.86	7,983	175.83
Lip, Oral Cavity and Pharynx	225	2.53	142	3.24	83	1.84
Lip	1	---	0	---	1	---
Base of Tongue	3	---	2	---	1	---
Other & Unspecified Parts of Tongue	60	0.64	39	0.86	21	0.44
Parotid Gland	13	0.15	6	---	7	---
Other & Unspecified Major Salivary glands	3	---	3	---	0	---
Floor of Mouth	4	---	2	---	2	---
Gum	3	---	1	---	2	---
Palate	4	---	3	---	1	---
Other & Unspecified Parts of Mouth	25	0.29	14	0.30	11	0.26
Nasopharynx	24	0.26	16	0.34	8	---
Tonsil	15	0.16	10	0.21	5	---
Oropharynx	8	---	5	---	3	---
Pyrimiform Sinus	0	---	0	---	0	---
Hypopharynx	3	---	3	---	0	---
Other & Unspecified Oral (Buccal) Cavity & Pharynx	59	0.68	38	0.93	21	0.46
Digestive System	4,003	47.36	2,307	57.97	1,696	38.11
Esophagus	384	4.23	294	6.72	90	1.96
Stomach	325	3.94	201	5.15	124	2.86
Small Intestine	28	0.32	13	0.33	15	0.33
Colon (excluding Rectum)	1,603	19.53	888	23.16	715	16.38
Cecum	6	---	3	---	3	---
Appendix	2	---	2	---	0	---
Ascending Colon	3	---	1	---	2	---
Hepatic Flexure	0	---	0	---	0	---
Transverse Colon	1	---	0	---	1	---
Splenic Flexure	0	---	0	---	0	---
Descending Colon	0	---	0	---	0	---
Sigmoid Colon	11	0.12	6	---	5	---
Large Intestine, NOS	1,580	19.23	876	22.83	704	16.12
Rectum	200	2.31	119	2.99	81	1.77
Rectosigmoid Junction	64	0.77	35	0.83	29	0.68
Anus, Anal Canal and Anorectum	24	0.27	13	0.31	11	0.24
Liver	351	4.03	233	5.58	118	2.63
Intrahepatic Bile Ducts	64	0.74	39	0.95	25	0.55
Gallbladder	43	0.53	12	0.41	31	0.68
Other & Unspecified Biliary Tract	34	0.42	22	0.60	12	0.27
Pancreas	845	9.82	419	10.48	426	9.35
Retroperitoneum	6	---	4	---	2	---
Peritoneum, Omentum and Mesentery	7	---	1	---	6	---
Other Digestive Organs	25	0.31	14	0.36	11	0.25
Respiratory System	5,729	65.24	3,234	79.46	2,495	53.90
Nasal Cavity and Middle Ear	0	---	0	---	0	---
Accessory Sinuses	11	0.12	8	---	3	---
Larynx	124	1.41	93	2.22	31	0.68
Lung and Bronchus	5,582	63.56	3,125	76.78	2,457	53.07
Pleura	4	---	3	---	1	---
Trachea	1	---	0	---	1	---
Mediastinum and Other Respiratory Organs	7	---	5	---	2	---
Bones, Joints and Articular Cartilage	37	0.44	20	0.52	17	0.38
Bones, Joints & Articular Cartilage of Limbs	1	---	0	---	1	---
Bones, Joints & Articular Cartilage of Other & Unspec Sites	36	0.43	20	0.52	16	0.36
Soft Tissue (Including Heart)	121	1.34	73	1.70	48	1.02
Heart	8	---	4	---	4	---
Peripheral Nerves & Autonomic Nervous System	3	---	2	---	1	---
Connective, Subcutaneous & Other Soft Tissues	110	1.23	67	1.57	43	0.92

* Those of unknown gender are not shown separately, but are included in the total.

** Rates are per 100,000 population and age-adjusted to the 2000 US Standard population.

Note: The "—" is used for rates calculated on numbers less than ten.

**Table 14. Nevada Mortality by Type of Cancer and Gender,
Nevada, 1997-2001 (Continued)**

Type of Cancer	Total*		Male		Female	
	Number	Rate**	Number	Rate**	Number	Rate**
Total	17,459	204.62	9,476	242.86	7,983	175.83
Skin (Excluding Basal And Squamous)	345	3.89	242	5.86	103	2.23
Melanomas Of The Skin	264	2.92	181	4.29	83	1.76
Other Non-Epithelial Skin	81	0.98	61	1.57	20	0.47
Breast	1,195	14.02	13	0.34	1,182	25.90
Female Genital System	690	7.99	0	---	690	15.03
Cervix Uteri	140	1.54	0	---	140	2.99
Corpus Uteri	59	0.70	0	---	59	1.30
Uterus, NOS	75	0.93	0	---	75	1.70
Ovary	376	4.33	0	---	376	8.16
Vagina	12	0.13	0	---	12	0.25
Vulva	15	0.20	0	---	15	0.35
Placenta	1	---	0	---	1	---
Other Female Genital Organs	12	0.14	0	---	12	0.26
Male Genital System	943	12.36	943	29.68	0	---
Prostate	922	12.14	922	29.21	0	---
Testis	17	0.17	17	0.34	0	---
Penis	4	---	4	---	0	---
Other Male Genital Organs	0	---	0	---	0	---
Urinary System	748	9.06	525	14.03	223	5.10
Urinary Bladder	401	5.09	288	8.29	113	2.67
Kidney	322	3.69	224	5.43	98	2.18
Renal Pelvis	5	---	2	---	3	---
Ureter	12	0.14	5	---	7	---
Other Urinary Organs	8	---	6	---	2	---
Eye and Orbit	6	---	5	---	1	---
Brain and Other Central Nervous System	338	3.71	205	4.60	133	2.86
Brain	335	3.68	204	4.58	131	2.82
Meninges	0	---	0	---	0	---
Spinal Cord, Cranial Nerves, & Other Parts of CNS	3	---	1	---	2	---
Endocrine System	53	0.61	28	0.72	25	0.54
Thyroid Gland	29	0.35	16	0.42	13	0.29
Adrenal Gland	15	0.17	7	---	8	---
Other Endocrine (Including Thymus)	9	---	5	---	4	---
Hodgkin's Lymphoma	38	0.40	22	0.46	16	0.34
Non-Hodgkin's Lymphoma	599	7.08	356	9.40	243	5.34
Multiple Myeloma	261	3.02	155	3.93	106	2.31
Leukemia	614	7.39	368	9.53	246	5.58
Lymphocytic	164	2.06	99	2.78	65	1.51
Acute Lymphocytic	32	0.34	19	0.44	13	0.27
Chronic Lymphocytic	120	1.55	72	2.10	48	1.14
Other Lymphocytic	12	0.17	8	---	4	---
Myeloid and Monocytic	249	2.89	144	3.55	105	2.33
Acute Myeloid	180	2.07	100	2.42	80	1.77
Acute Monocytic	0	---	0	---	0	---
Chronic Myeloid	53	0.63	31	0.78	22	0.50
Other Myeloid/Monocytic	16	0.19	13	0.36	3	---
Other	201	2.43	125	3.20	76	1.74
Other Acute	88	1.02	59	1.46	29	0.64
Aleukemic, Subleukemic and NOS	113	1.41	66	1.73	47	1.10
Mesothelioma	46	0.56	35	1.03	11	0.23
Kaposi Sarcoma	0	---	0	---	0	---
Other, Ill-Defined and Unspecified Sites	1,468	17.57	803	20.29	665	15.09

* Those of unknown gender are not shown separately, but are included in the total.

**Rates are per 100,000 population and age-adjusted to the 2000 US Standard population.

Note: The "—" is used for rates calculated on numbers less than ten.

Table 15. Top Ten Types of Cancer Mortality by County/Region of Residence, Nevada Residents, 1997-2001

Rank	Type of Cancer		County/Region of Residence			
			Nevada Total	Clark	Washoe	All Other Counties
1	Lung and Bronchus	Mortality	5,582	3,823	911	848
		Rate*	63.56	65.57	62.16	57.64
		95% C.I.	(61.9-65.3)	(63.4-67.8)	(58.1-66.4)	(53.8-61.8)
2	Colorectal	Mortality	1,891	1,291	328	272
		Rate*	22.88	23.49	23.31	19.99
		95% C.I.	(21.8-24.0)	(22.2-24.9)	(20.8-26.1)	(17.6-22.6)
3	Breast*	Mortality	1,182	775	235	172
		Rate*	25.90	25.49	29.74	23.52
		95% C.I.	(24.4-27.4)	(23.7-27.4)	(26.0-33.8)	(20.1-27.4)
4	Prostate*	Mortality	922	606	170	146
		Rate*	29.21	28.41	33.68	27.02
		95% C.I.	(27.2-31.4)	(25.9-31.1)	(28.5-39.7)	(22.5-32.3)
5	Pancreas	Mortality	845	572	127	146
		Rate*	9.82	9.93	8.95	10.20
		95% C.I.	(9.1-10.5)	(9.1-10.8)	(7.4-10.7)	(8.6-12.1)
6	Non-Hodgkin's Lymphoma	Mortality	599	398	108	93
		Rate*	7.08	7.12	7.45	6.61
		95% C.I.	(6.5-7.7)	(6.4-7.9)	(6.1-9.1)	(5.3-8.2)
7	Leukemia	Mortality	614	419	104	91
		Rate*	7.39	7.61	7.16	6.85
		95% C.I.	(6.8-8.0)	(6.9-8.4)	(5.8-8.7)	(5.5-8.5)
8	Liver and Intrahepatic Bile Ducts	Mortality	415	299	---	57
		Rate*	4.77	5.21	---	4.02
		95% C.I.	(4.3-5.3)	(4.6-5.9)	---	(3.0-5.3)
9	Urinary Bladder	Mortality	401	272	62	67
		Rate*	5.09	5.33	4.48	4.91
		95% C.I.	(4.6-5.6)	(4.7-6.1)	(3.4-5.8)	(3.8-6.3)
10	Esophagus	Mortality	384	268	68	---
		Rate*	4.23	4.45	4.48	---
		95% C.I.	(3.8-4.7)	(3.9-5.0)	(3.5-5.7)	---
---	Total	Mortality	17,459	11,761	3,005	2,693
		Rate*	204.62	207.06	209.37	190.61
		95% C.I.	(201.5-207.8)	(203.2-211.0)	(201.8-217.2)	(183.3-198.1)

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.

Note: The "----" indicates that this type of cancer was not in the Top Ten for this specific region.

Table 16. Top Ten Types of Cancer Mortality by Age Group, Nevada Residents, 1997-2001

Abbreviations: Brain and OCNS = Brain and Other Central Nervous System, CU & Uterus NOS = Corpus Uteri and Uterus NOS, HL = Hodgkin's Lymphoma, KRP = Kidney and Renal Pelvis, LOCP = Lip, Oral Cavity and Pharynx, Liver and IBD = Liver and Intrahepatic Bile Ducts, NHL = Non-Hodgkin's Lymphoma.

Ranking	Age Group								
	0-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	Total
1	Leukemia 16 32.7%	Leukemia 13 32.5%	Brain and OCNS 15 13.6%	Breast 92 18.5%	Lung and Bronchus 428 27.7%	Lung and Bronchus 1,173 35.1%	Lung and Bronchus 2,063 37.4%	Lung and Bronchus 1,836 28.9%	Lung and Bronchus 5,582 32.0%
2	Brain and OCNS 12 24.5%	NHL 4 10.0%	Leukemia 10 9.1%	Lung and Bronchus 75 15.1%	Breast 195 12.6%	Colorectal 320 9.6%	Colorectal 598 10.8%	Colorectal 783 12.3%	Colorectal 1,891 10.8%
3	Liver and IBD 3 6.1%	Brain and OCNS 3 7.5%	NHL 10 9.1%	Colorectal 52 10.4%	Colorectal 128 8.3%	Breast 250 7.5%	Pancreas 281 5.1%	Prostate 569 8.9%	Breast 1,195 6.8%
4	KRP 1 2.0%	Liver and IBD 3 7.5%	Colorectal 9 8.2%	Brain and OCNS 29 5.8%	Pancreas 77 5.0%	Pancreas 169 5.1%	Prostate 275 5.0%	Breast 380 6.0%	Prostate 922 5.3%
5	---	Skin 3 7.5%	Breast 6 5.5%	Skin 28 5.6%	Liver and IBD 62 4.0%	Esophagus 123 3.7%	Breast 271 4.9%	Pancreas 302 4.7%	Pancreas 845 4.8%
6	---	HL 2 5.0%	Cervix Uteri 6 5.5%	Cervix Uteri 24 4.8%	Ovary 62 4.0%	NHL 97 2.9%	NHL 174 3.2%	Leukemia 254 4.0%	Leukemia 614 3.5%
7	---	Breast 1 2.5%	Skin 6 5.5%	Leukemia 23 4.6%	NHL 54 3.5%	Leukemia 91 2.7%	Leukemia 155 2.8%	NHL 239 3.8%	NHL 599 3.4%
8	---	Colorectal 1 2.5%	HL 4 3.6%	NHL 20 4.0%	Leukemia 52 3.4%	KRP 80 2.4%	Liver and IBD 132 2.4%	Urinary Bladder 208 3.3%	Liver and IBD 415 2.4%
9	---	LOCP 1 2.5%	Lung and Bronchus 4 3.6%	Ovary 15 3.0%	Brain and OCNS 43 2.8%	Liver and IBD 77 2.3%	Esophagus 118 2.1%	Stomach 141 2.2%	Urinary Bladder 401 2.3%
10	---	Pancreas & Skin 1 (each) 2.5%	Pancreas 4 3.6%	Stomach 13 2.6%	Skin 41 2.7%	Brain and OCNS 74 2.2%	Ovary 114 2.1%	Liver and IBD 126 2.0%	Esophagus 384 2.2%
Sum	32	31	74	371	1,142	2,454	4,181	4,838	12,848
Percent	65.3%	77.5%	67.3%	74.5%	74.0%	73.4%	75.9%	76.1%	73.6%
Total	49	40	110	498	1,543	3,345	5,512	6,360	17,459
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Note: Those cases with unknown ages are not shown separately, but are included in the total.

Table 17. Median Age at Time of Death by Leading Types of Cancer and Race/Ethnicity, Nevada Residents, 1997-2001

Type of Cancer	Race/Ethnicity											
	White		Black		Native American		Asian		Hispanic		Total	
	Number	Age	Number	Age	Number	Age	Number	Age	Number	Age	Number	Age
Lung and Bronchus	5,090	70.0	276	67.0	26	68.5	95	67.0	89	66.0	5,580	70.0
Breast	1,037	68.0	77	62.0	5	59.0	27	55.0	49	55.0	1,195	67.0
Prostate	810	77.0	69	75.0	4	---	13	74.0	26	74.5	922	77.0
Colorectal	1,650	72.0	120	67.0	13	68.0	45	66.0	62	69.0	1,891	72.0
Urinary Bladder	376	75.0	11	77.0	1	---	5	79.0	8	78.5	401	75.0
Non-Hodgkin's Lymphoma	535	72.0	17	66.0	3	---	20	72.0	24	69.0	599	72.0
Kidney and Renal Pelvis	284	71.0	13	72.0	2	---	7	61.0	19	65.0	327	71.0
Leukemia	539	73.0	26	65.0	3	---	12	63.5	32	62.5	614	72.0
Lip, Oral Cavity and Pharynx	201	67.0	13	64.0	1	---	3	---	7	72.0	225	67.0
Pancreas	726	71.0	50	68.0	7	68.0	17	68.0	42	68.0	845	70.0
Skin	257	64.0	2	---	1	---	2	---	2	---	264	64.0
Corpus Uteri & Uterus NOS	114	70.5	11	70.0	1	---	4	---	4	---	134	70.5
Ovary	332	70.0	20	65.5	2	---	7	59.0	15	61.0	376	69.0
Thyroid Gland	25	73.0	1	---	0	---	1	---	2	---	29	73.0
Stomach	246	74.0	25	68.0	4	---	20	63.0	30	62.5	325	73.0
Brain and Other Central Nervous System	295	64.0	13	66.0	1	---	11	58.0	18	47.5	338	63.5
Cervix Uteri	107	55.0	8	54.0	1	---	11	60.0	12	56.0	140	55.0
Liver and Intrahepatic Bile Ducts	323	71.0	26	55.0	5	67.0	33	58.0	27	60.0	415	69.0
Esophagus	337	68.0	28	62.0	0	---	8	62.5	11	61.0	384	67.5
Larynx	112	68.0	8	68.0	1	---	2	---	1	---	124	68.0
Multiple Myeloma	217	72.0	24	62.5	2	---	6	61.5	11	71.0	261	71.0
Hodgkin's Lymphoma	34	61.5	2	---	0	---	0	---	2	---	38	61.5
All Other Sites	1,799	71.0	96	65.0	17	71.0	36	66.0	80	62.5	2,030	71.0
Total	15,446	71.0	936	67.0	100	68.0	385	65.0	573	65.0	17,457	71.0

Note: Those of other/unknown race/ethnicity are not shown separately, but are included in the total. Those deaths of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

HIGHLIGHTS

- Thyroid Gland Cancer had the highest one-year survival rate of all types of cancer in Nevada from 1997 to 2001 with a rate of 97.3%. This was followed by Breast, Uterine, Prostate, and Skin Cancers, which had one-year survival rates of 95.2%, 94.7%, 94.4%, and 91.6%, respectively.
- Pancreatic Cancer had the lowest one-year survival rate of all types of cancer in Nevada from 1997 to 2001 with a rate of 34.0%. This was followed by Liver and Intrahepatic Bile Ducts, Stomach, Lung and Bronchus, and Esophagus Cancer, which had One-Year Survival rates of 35.3%, 44.6%, 46.4%, and 48.6%, respectively.
- The five types of cancer with the highest five-year survival rates in Nevada from 1997 to 2001 were Thyroid Gland (96.1%), Breast (83.2%), Hodgkin's Lymphoma (81.7%), Prostate (80.4%), and Corpus Uteri & Uterus NOS (77.2%) Cancers.
- The five types of cancer with the lowest five-year survival rates in Nevada from 1997 to 2001 were Liver and Intrahepatic Bile Ducts (10.2%), Pancreatic (11.2%), Stomach (20.5%), Esophagus (21.5%), and Lung and Bronchus (22.1%) Cancers.

Figure 20. Ten Highest One-Year Survival Rates by Type of Cancer, Nevada Residents, 1997-2001

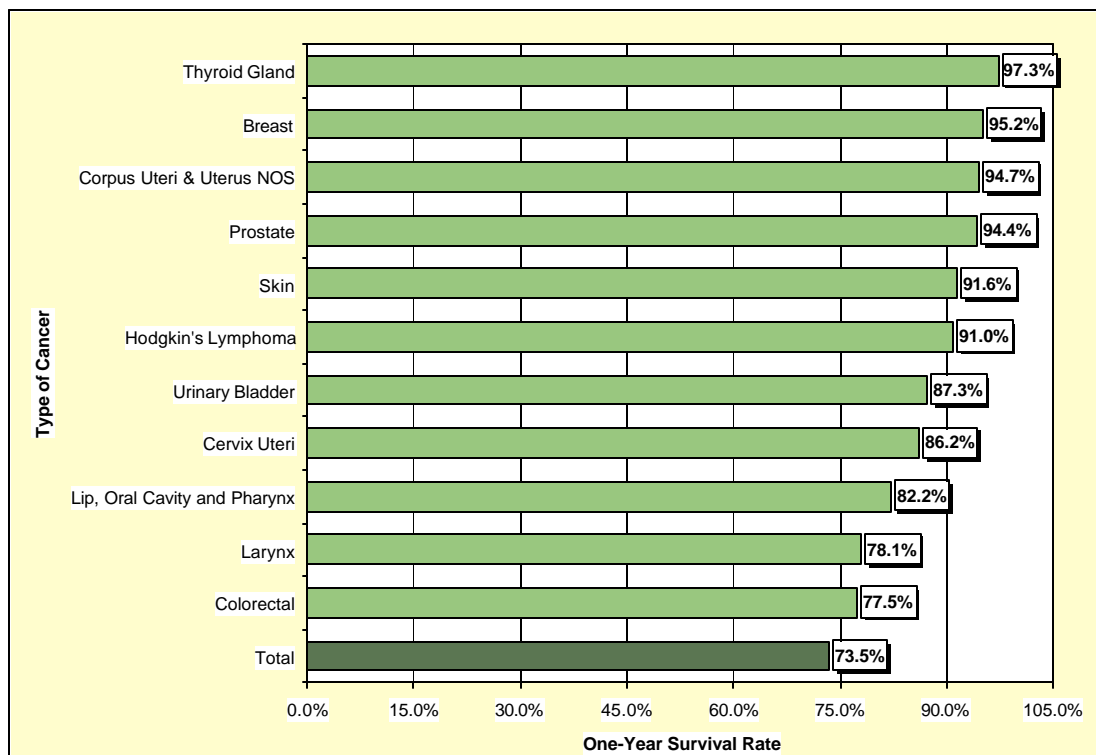


Figure 21. Ten Lowest One-Year Survival Rates by Type of Cancer, Nevada Residents, 1997-2001

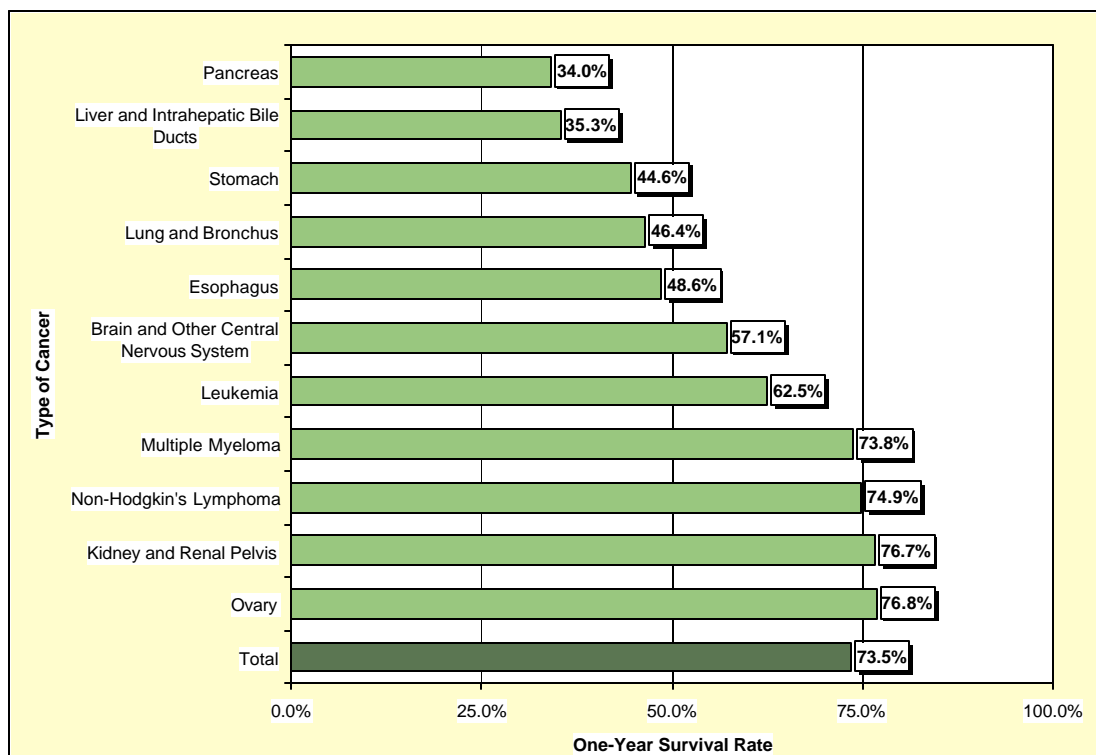


Figure 22. Ten Highest Five-Year Survival Rates by Type of Cancer, Nevada Residents, 1997-2001

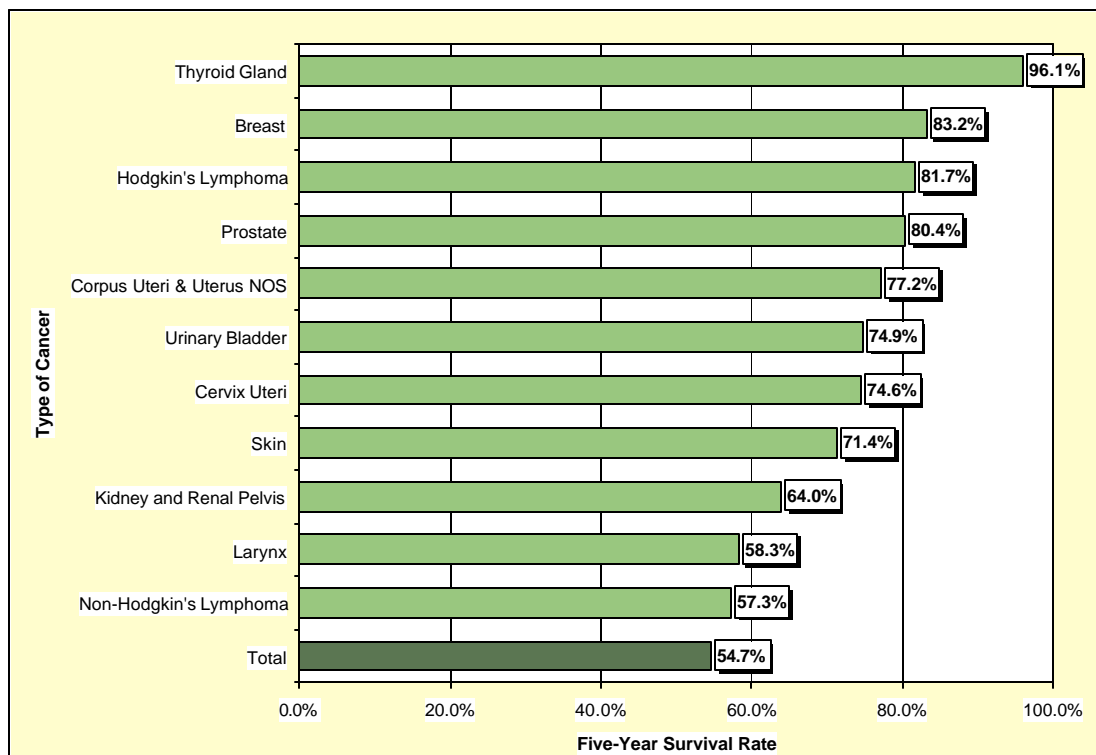


Figure 23. Ten Lowest Five-Year Survival Rates by Type of Cancer, Nevada Residents, 1997-2001

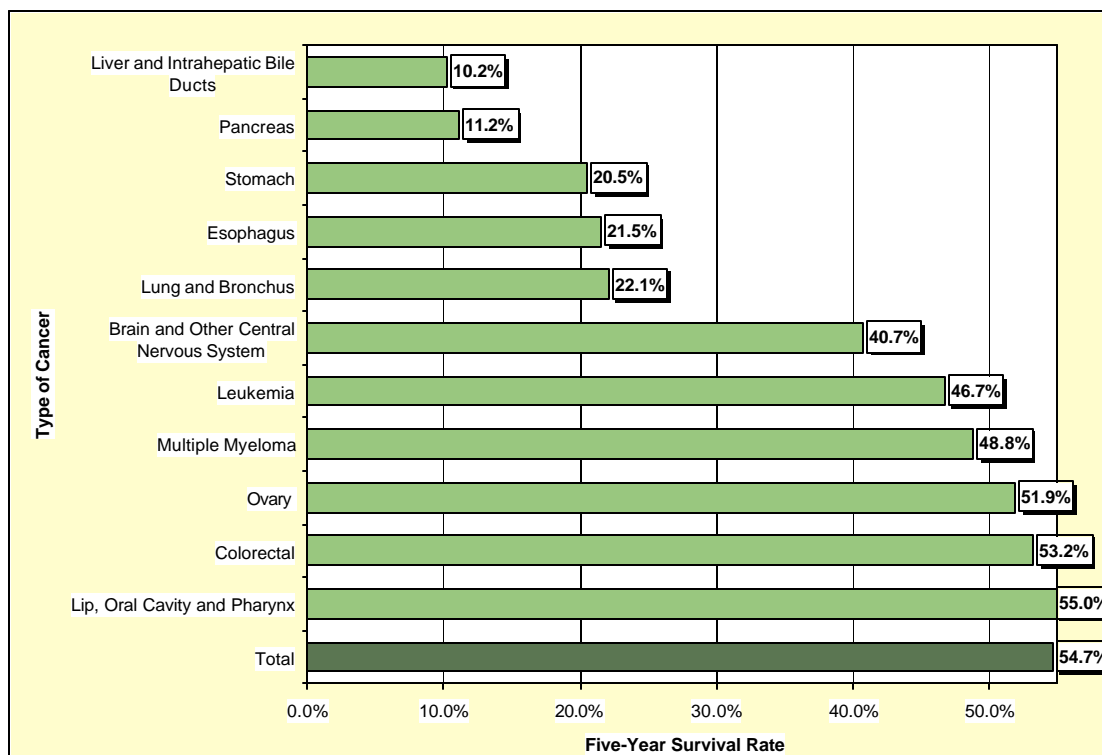


Table 18. One-Year, Five-Year and Median Survival Rates by Type of Cancer, Nevada Residents, 1997-2001

Type of Cancer	1-Year	5-Year	Median Survival (Years)
Lung and Bronchus	46.4%	22.1%	0.93
Colorectal	77.5%	53.2%	>5 years
Breast	95.2%	83.2%	>5 years
Prostate	94.4%	80.4%	>5 years
Pancreas	34.0%	11.2%	0.76
Non-Hodgkin's Lymphoma	74.9%	57.3%	>5 years
Leukemia	62.5%	46.7%	3.31
Liver and Intrahepatic Bile Ducts	35.3%	10.2%	0.77
Urinary Bladder	87.3%	74.9%	>5 years
Esophagus	48.6%	21.5%	0.97
Ovary	76.8%	51.9%	>5 years
Stomach	44.6%	20.5%	0.90
Kidney and Renal Pelvis	76.7%	64.0%	>5 years
Brain and Other Central Nervous System	57.1%	40.7%	1.64
Skin	91.6%	71.4%	>5 years
Multiple Myeloma	73.8%	48.8%	3.76
Lip, Oral Cavity and Pharynx	82.2%	55.0%	>5 years
Larynx	78.1%	58.3%	>5 years
Cervix Uteri	86.2%	74.6%	>5 years
Corpus Uteri & Uterus NOS	94.7%	77.2%	>5 years
Hodgkin's Lymphoma	91.0%	81.7%	>5 years
Thyroid Gland	97.3%	96.1%	>5 years
All Other Sites	67.1%	48.4%	3.37
Total	73.5%	54.7%	>5 years

Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 19. One- and Five-Year Survival Rates by Type of Cancer and Gender, Nevada Residents, 1997-2001

Type of Cancer	Gender					
	Total		Male		Female	
	1-Year	5-Year	1-Year	5-Year	1-Year	5-Year
Lung and Bronchus	46.4%	22.1%	44.1%	21.3%	49.3%	23.1%
Colorectal	77.5%	53.2%	76.2%	52.9%	78.8%	53.6%
Breast	95.2%	83.2%	---	---	95.1%	83.1%
Prostate	94.4%	80.4%	94.4%	80.4%	---	---
Pancreas	34.0%	11.2%	35.5%	14.5%	32.4%	9.1%
Non-Hodgkin's Lymphoma	74.9%	57.3%	74.6%	62.5%	75.3%	50.5%
Leukemia	62.5%	46.7%	61.7%	49.1%	63.7%	43.5%
Liver and Intrahepatic Bile Ducts	35.3%	10.2%	35.3%	---	35.2%	16.0%
Urinary Bladder	87.3%	74.9%	88.2%	76.7%	84.6%	69.3%
Esophagus	48.6%	21.5%	48.8%	21.8%	47.9%	---
Ovary	76.8%	51.9%	---	---	76.8%	51.9%
Stomach	44.6%	20.5%	45.3%	22.3%	43.2%	18.0%
Kidney and Renal Pelvis	76.7%	64.0%	76.0%	64.4%	78.0%	63.4%
Brain and Other Central Nervous System	57.1%	40.7%	55.9%	34.0%	58.7%	48.2%
Skin	91.6%	71.4%	89.5%	67.1%	94.8%	78.2%
Multiple Myeloma	73.8%	48.8%	70.0%	45.0%	79.8%	54.4%
Lip, Oral Cavity and Pharynx	82.2%	55.0%	82.2%	52.9%	82.0%	61.3%
Larynx	78.1%	58.3%	78.5%	56.8%	76.5%	62.6%
Cervix Uteri	86.2%	74.6%	---	---	86.2%	74.6%
Corpus Uteri & Uterus NOS	94.7%	77.2%	---	---	94.7%	77.2%
Hodgkin's Lymphoma	91.0%	81.7%	87.8%	79.6%	94.7%	83.9%
Thyroid Gland	97.3%	96.1%	93.1%	88.0%	98.4%	98.4%
All Other Sites	67.1%	48.4%	69.9%	54.3%	62.9%	40.3%
Total	73.5%	54.7%	70.6%	51.4%	76.4%	58.0%

Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 20. One- and Five-Year Survival Rates by Type of Cancer and Race/Ethnicity, Nevada Residents, 1997-2001

Type of Cancer		Race/Ethnicity					
		Total	White	Black	Native American	Asian	Hispanic
Lung and Bronchus	1-Year	46.4%	45.7%	48.3%	---	53.8%	53.4%
	5-Year	22.1%	21.4%	23.0%	---	23.0%	36.8%
Colorectal	1-Year	77.5%	76.9%	78.6%	---	80.0%	81.9%
	5-Year	53.2%	52.4%	51.2%	---	66.4%	56.8%
Breast	1-Year	95.2%	95.3%	88.5%	---	96.9%	95.1%
	5-Year	83.2%	83.2%	76.8%	---	90.6%	71.5%
Prostate	1-Year	94.4%	94.0%	95.6%	---	---	100.0%
	5-Year	80.4%	79.5%	75.3%	---	---	---
Pancreas	1-Year	34.0%	32.9%	---	---	---	---
	5-Year	11.2%	9.8%	---	---	---	---
Non-Hodgkin's Lymphoma	1-Year	74.9%	74.5%	---	---	---	---
	5-Year	57.3%	56.5%	---	---	---	---
Leukemia	1-Year	62.5%	60.2%	---	---	---	73.2%
	5-Year	46.7%	45.0%	---	---	---	45.4%
Liver and Intrahepatic Bile Ducts	1-Year	35.3%	34.1%	---	---	---	---
	5-Year	10.2%	10.4%	---	---	---	---
Urinary Bladder	1-Year	87.3%	87.1%	---	---	---	---
	5-Year	74.9%	75.4%	---	---	---	---
Esophagus	1-Year	48.6%	46.9%	---	---	---	---
	5-Year	21.5%	20.7%	---	---	---	---
Ovary	1-Year	76.8%	76.5%	---	---	---	---
	5-Year	51.9%	50.6%	---	---	---	---
Stomach	1-Year	44.6%	44.8%	---	---	---	---
	5-Year	20.5%	19.4%	---	---	---	---
Kidney and Renal Pelvis	1-Year	76.7%	75.6%	---	---	---	---
	5-Year	64.0%	61.5%	---	---	---	---
Brain and Other Central Nervous System	1-Year	57.1%	55.6%	---	---	---	---
	5-Year	40.7%	37.1%	---	---	---	---
Skin	1-Year	91.6%	91.3%	---	---	---	---
	5-Year	71.4%	71.0%	---	---	---	---
Multiple Myeloma	1-Year	73.8%	72.8%	---	---	---	---
	5-Year	48.8%	43.7%	---	---	---	---
Lip, Oral Cavity and Pharynx	1-Year	82.2%	82.0%	---	---	---	---
	5-Year	55.0%	54.2%	---	---	---	---
Larynx	1-Year	78.1%	77.9%	---	---	---	---
	5-Year	58.3%	56.1%	---	---	---	---
Cervix Uteri	1-Year	86.2%	83.4%	---	---	---	---
	5-Year	74.6%	74.8%	---	---	---	---
Corpus Uteri & Uterus NOS	1-Year	94.7%	95.0%	---	---	---	---
	5-Year	77.2%	78.6%	---	---	---	---
Hodgkin's Lymphoma	1-Year	91.0%	91.8%	---	---	---	---
	5-Year	81.7%	81.0%	---	---	---	---
Thyroid Gland	1-Year	97.3%	97.2%	---	---	---	---
	5-Year	96.1%	95.8%	---	---	---	---
All Other Sites	1-Year	67.1%	66.5%	60.9%	---	---	71.2%
	5-Year	48.4%	48.9%	28.1%	---	---	47.3%
Total	1-Year	73.5%	72.9%	71.2%	59.0%	75.4%	78.4%
	5-Year	54.7%	53.9%	47.7%	46.5%	63.2%	62.0%

Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

ALL CANCERS

ALL CANCERS

HIGHLIGHTS

- The ratio of the cancer age-adjusted incidence rate, 453.4, to the age-adjusted mortality rate, 204.6 (per 100,000 – 2000 US Standard population), was 2.16 during the 1997 to 2001 period, which means that for every 2.16 cancer cases there was one death due to Cancer in Nevada during this period.
- Nevadan females had a higher ratio than males when the cancer incidence and cancer mortality age-adjusted rates were compared. For every female death due to cancer there were 2.48 female cases while there were 2.22 male cases for every male Cancer death in Nevada from 1997 to 2001.
- The median age at diagnosis of cancer was 66 years of age for Nevada residents from 1997 to 2001. The median age at time of death due to cancer was 71 years. The median age at diagnosis for females was lower than the age for males, 65 and 67 years, respectively, while the median age at time of death was 71 years for females and 70 years for males.

INCIDENCE

- Nevada's lower cancer incidence rate (453.4) was statistically significant when compared to the 1996-2001 National rate of 470.3 (per 100,000 – 2000 US Standard population) from 1997 to 2001.
- There were 40,863 resident cancer cases reported in Nevada from 1997 to 2001. Statistical significance tests show that Washoe County had the highest age-adjusted incidence rate of cancer once regional comparisons were made, with a rate of 476.3 Clark County and All Other Counties, as a region, followed with rates of 456.9 and 415.8 (per 100,000 population – 2000 US Standard population), respectively. Washoe County's rate showed slight statistical significance over the 1995-1999 National rate of 470.3, while Clark County and All Other Counties were lower than the National rate.
- Whites, as a racial/ethnic group, accounted for 88.3% of all reported cancer cases in Nevada during the 1997 to 2001 period. Their statistically significant higher age-adjusted incidence rate of 490.1 was 153.8%, 140.7%, 94.1%, and 14.8 18.15% greater than the rates for Native Americans (194.6), Hispanics (226.3), Asians (240.9) and Blacks (458.2), respectively, during this period.
- Males had a statistically significant higher age-adjusted cancer incidence rate, 496.7 (489.6-503.9) over the female rate of 423.0 (417.1-429.0) during the 1997 to 2001 period. However, both had statistically significant lower rates when compared to their national counterparts who had rates of 554.3 (552.6-556.0) and 414.4 (413.1-415.7), respectively.

INPATIENT HOSPITAL DISCHARGES

- There were 33,235 hospital inpatient discharges for a primary diagnosis of cancer to Nevada Residents from 1997 to 2001. Clark County had the highest cancer age-adjusted inpatient discharge rate, 383.6 (378.6-388.7), once regional comparisons were made. Clark County's discharge rate showed statistical significance over the rates for Nevada overall, Washoe County, and All Other Counties who had rates of 364.8 (360.8-368.8) 357.9 (348.4-367.7), 293.7 (284.9-302.8), (per 100,000 – 2000 US standard population), respectively, during this period.
- Total billed charges for hospital inpatient discharges due to a primary diagnosis of cancer in Nevada totaled over 1.1 billion dollars from 1997 to 2001. Nevadans in the 1-4 year age group had the highest median total billed amount at \$36,331 during this period. The overall average billed charge per day for a hospital inpatient discharge due to Cancer was approximately \$4,420 in Nevada from 1996 to 2001.

MORTALITY

- There were 17,459 resident deaths due to Cancer in Nevada from 1997 to 2001, which was the second leading cause of death during this period. Males had a 54.3% higher mortality rate (242.9 [237.6-248.3]), than females (175.8 [172.0-179.8]) in Nevada during this period. This difference is statistically significant and age-adjusted to the 2000 U.S. standard population.
- Racial/ethnic comparisons showed that Blacks and Whites, as racial/ethnic groups, had the highest statistically significant cancer age-adjusted mortality rates of 234.4 (218.5-251.4) and 216.0 (212.6-219.6), respectively, of all racial/ethnic groups. They were followed by Asians, Native Americans, and Hispanics who had age-adjusted mortality rates of 116.3 (101.8-133.4), 115.9 (93.1-143.3) and 99.2 (89.7-109.7), respectively from 1997 to 2001.

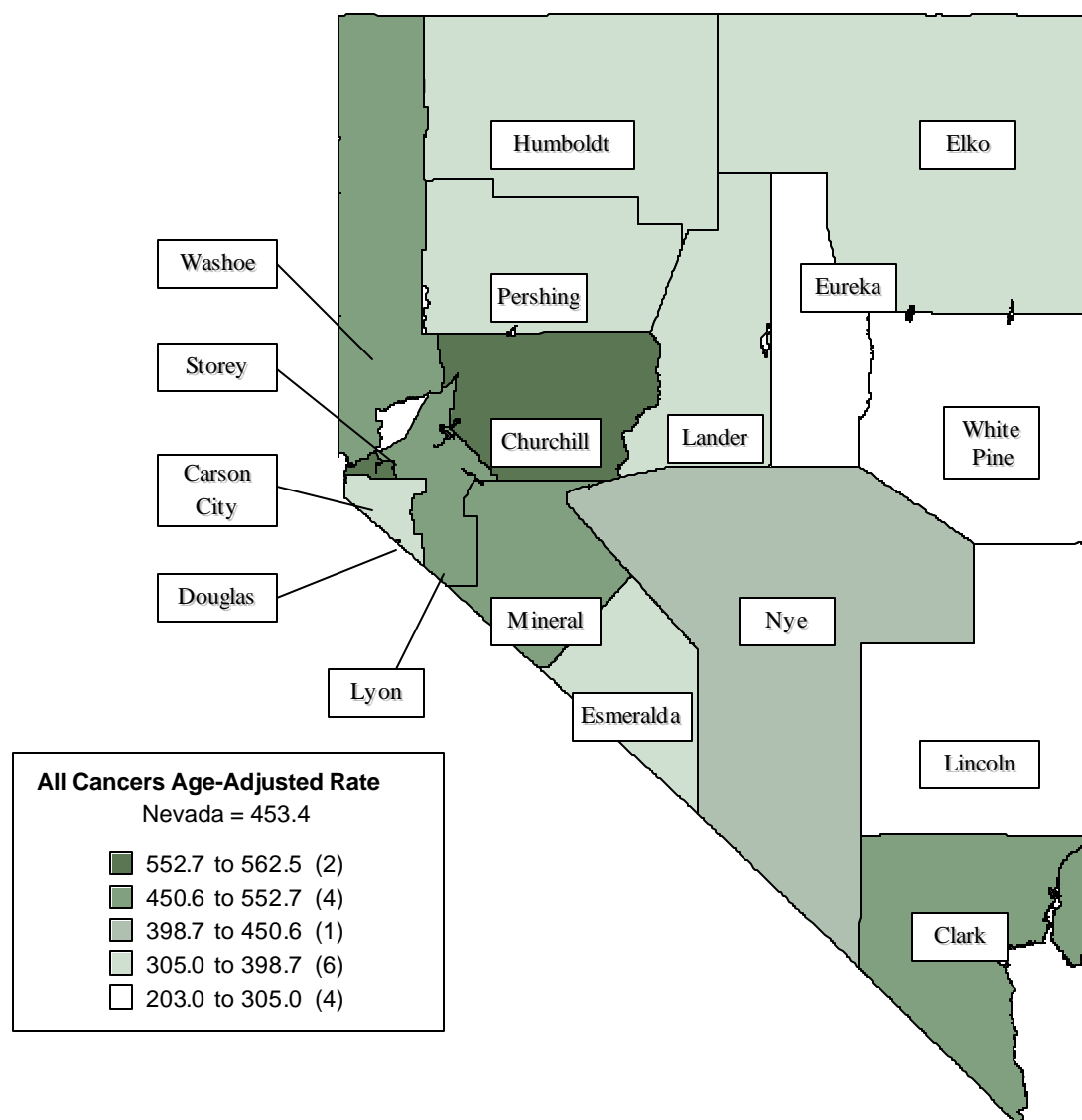
SURVIVAL RATE

- The one-year survival rate for all cancers in Nevada was 72.7% during the 1997 to 2001 period, while the five-year survival rate was 50.9% during this same time. The median survival rate in Nevada was >5 years.
- Females in Nevada had a higher one-year survival rate (75.3%) than males (70.2%) for all cancers during the 1997 to 2001 period. This trend was similar for the five-year survival rate and the median survival time with females and males at 54.5% and 47.2%, respectively, and > 5 years and 3.28 years, respectively.
- Hispanics, as a racial/ethnic group, had the highest One-Year Survival Rate for all cancers (75.9%) in the State, and were followed by Asians, Blacks, Whites, and Native Americans, with rates of 75.6%, 73.5%, 72.3%, and 61.7%, respectively, during the 1997 to 2001 period.

- Native Americans had both the lowest one-year survival and five-year survival rate for all cancers in Nevada at 61.7% and 46.6%, respectively during the 1997-2001 period.
- The five-year survival rate for those diagnosed at the in situ stage was 83.2% for Nevada from 1997 to 2001. The rate for those at the localized stage was 69.4%, while those recorded at the regional, distant and unstaged stages had rates of 51.9%, 26.6% and 29.8%, respectively.
- While the Median Survival time for those diagnosed at the in situ, localized, or regional stages was over five years for all types of cancer, those diagnosed at the distant and unstaged levels had median survival times of 1.20 and 1.47 years, respectively, for Nevada during the 1997 to 2001 period.

INCIDENCE

Figure 24. Age-Adjusted (2001) Incidence Rates for All Cancers, Nevada Residents, 1997-2001



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 25. All Cancers Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1997-2001

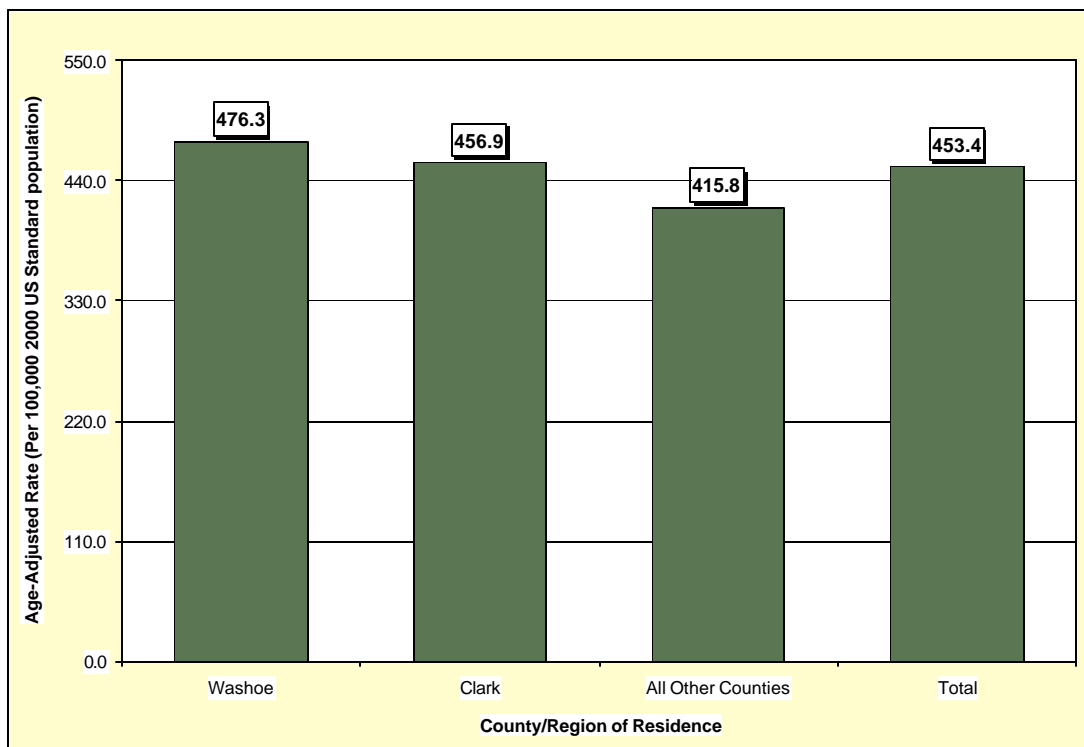


Figure 26. All Cancers Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1997-2001

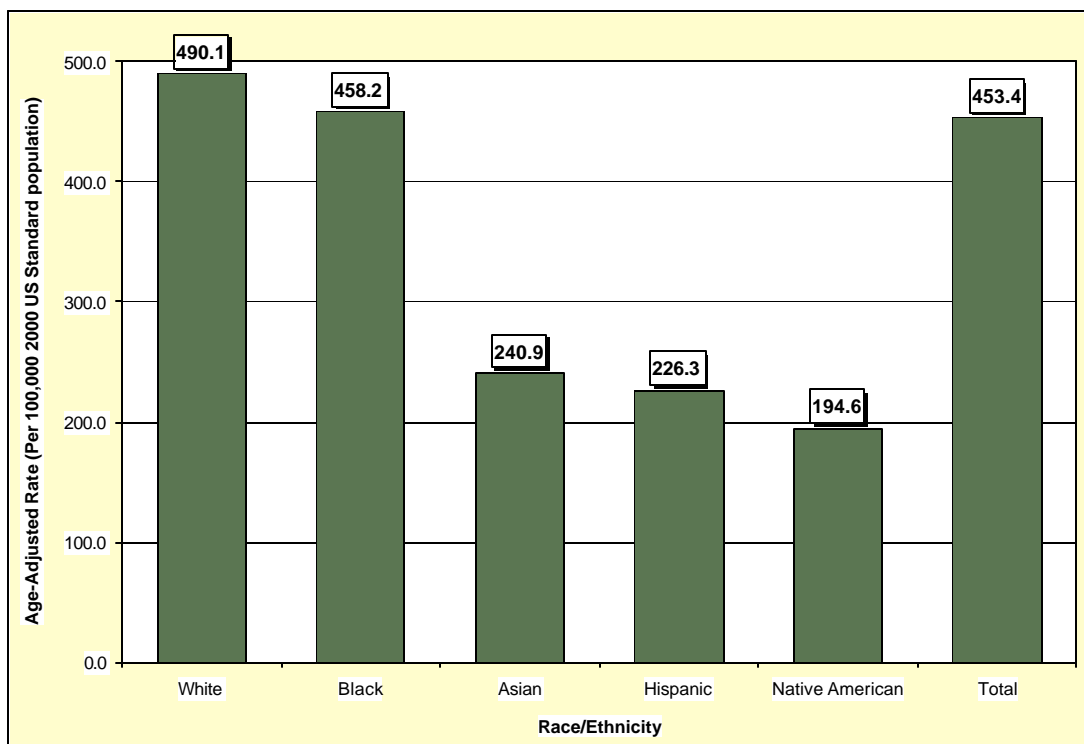


Table 21. All Cancers Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1997-2001)
Total						
Cases	40,863	27,522	7,239	6,080	22	816,901
Rate*	453.4	456.9	476.3	415.8	---	470.3
95% C.I.	(448.9-457.9)	(451.4-462.5)	(465.3-487.6)	(405.3-426.6)	---	(469.3-471.3)
Gender						
Male	21,042	14,080	3,624	3,327	11	416,773
Rate*	496.7	498.5	515.9	472.6	---	554.3
95% C.I.	(489.6-503.9)	(489.6-507.6)	(498.4-534.0)	(456.1-489.8)	---	(552.6-556.0)
Female	19,821	13,442	3,615	2,753	11	400,128
Rate*	423.0	428.8	450.6	369.3	---	414.4
95% C.I.	(417.1-429.0)	(421.5-436.2)	(436.0-465.6)	(355.5-383.4)	---	(413.1-415.7)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	36,076	23,804	6,577	5,677	18	669,754
Rate*	490.1	505.1	499.8	427.8	---	479.6
95% C.I.	(485.0-495.3)	(498.5-511.7)	(487.7-512.2)	(416.5-439.3)	---	(478.5-480.8)
Black	1,988	1,637	228	122	1	75,672
Rate*	458.2	405.7	965.9	1,507.7	---	515.7
95% C.I.	(436.9-480.6)	(384.8-427.7)	(840.0-1,107.3)	(1,249.0-1,808.3)	---	(512.0-519.5)
Native American	185	72	50	62	1	3,867
Rate*	194.6	191.7	271.5	159.0	---	237.7
95% C.I.	(166.1-227.5)	(146.5-250.5)	(196.5-371.1)	(121.1-206.6)	---	(229.7-229.7)
Asian	878	670	160	47	1	59,304
Rate*	240.9	223.6	279.8	399.2	---	336.5
95% C.I.	(221.2-262.9)	(202.4-247.9)	(231.2-341.8)	(274.3-578.4)	---	(333.8-339.3)
Hispanic	1,491	1,114	217	159	1	62,567
Rate*	226.3	220.3	234.0	261.0	---	346.2
95% C.I.	(212.6-241.0)	(204.7-237.3)	(198.3-276.9)	(216.5-313.5)	---	(343.3-349.2)
Other/Unknown	245	225	7	13	0	8,304

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population.

Note: The “---” is used for rates calculated on numbers less than ten. Caution should be used when comparing rates for racial/ethnic groups to the National (SEER) rates. See Technical Notes for more information.

Table 22. All Cancers Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1997-2001)
Total						
Cases	40,863	27,522	7,239	6,080	22	816,901
Rate*	419.6	413.1	431.3	435.1	---	441.1
95% C.I.	(415.6-423.7)	(408.2-418.0)	(421.3-441.2)	(424.1-446.0)	---	(440.2-442.1)
Age Group						
<1	31	20	5	6	0	632
Rate*	21.3	19.5	---	---	---	22.8
95% C.I.	(13.8-28.9)	(10.9-28.0)	---	---	---	(21.0-24.6)
1-4	103	77	11	15	0	2,214
Rate*	18.2	19.3	11.6	20.5	---	19.9
95% C.I.	(14.6-21.7)	(15.0-23.6)	(4.8-18.5)	(10.1-30.9)	---	(19.0-20.7)
5-14	158	98	34	25	1	3,418
Rate*	11.4	10.4	14.8	11.9	---	12.8
95% C.I.	(9.7-13.2)	(8.3-12.5)	(9.8-19.8)	(7.3-16.6)	---	(12.3-13.2)
15-24	287	191	51	43	2	6,889
Rate*	21.4	20.6	22.2	23.0	---	26.7
95% C.I.	(18.9-23.8)	(17.7-23.5)	(16.1-28.3)	(16.2-29.9)	---	(26.0-27.3)
25-34	863	621	142	98	2	19,627
Rate*	58.5	58.4	55.7	62.3	---	67.1
95% C.I.	(54.6-62.4)	(53.8-63.0)	(46.5-64.9)	(50.0-74.7)	---	(66.1-68.0)
35-44	2,262	1,527	456	277	2	51,196
Rate*	145.3	145.9	161.0	122.4	---	163.8
95% C.I.	(139.3-151.3)	(138.6-153.2)	(146.2-175.7)	(107.9-136.8)	---	(162.4-165.3)
45-54	5,302	3,571	990	739	2	108,163
Rate*	413.0	421.8	418.7	368.0	---	472.6
95% C.I.	(401.9-424.1)	(408.0-435.7)	(392.6-444.8)	(341.5-394.6)	---	(469.8-475.4)
55-64	9,176	6,297	1,547	1,328	4	160,682
Rate*	1,001.6	1,013.1	1,030.5	919.1	---	1,147.6
95% C.I.	(981.1-1,022.1)	(988.1-1,038.2)	(979.2-1,081.9)	(869.7-968.5)	---	(1,142.0-1,153.2)
65-74	12,497	8,385	2,171	1,938	3	220,368
Rate*	1,945.9	1,938.7	2,117.7	1,807.8	---	1,910.1
95% C.I.	(1,911.7-1,980.0)	(1,897.2-1,980.1)	(2,028.6-2,206.8)	(1,727.3-1,888.3)	---	(1,902.1-1,918.1)
75-84	8,237	5,506	1,433	1,292	6	184,028
Rate*	2,344.8	2,357.5	2,478.0	2,156.8	---	2,531.8
95% C.I.	(2,294.2-2,395.5)	(2,295.3-2,419.8)	(2,349.7-2,606.3)	(2,039.2-2,274.4)	---	(2,520.3-2,543.4)
85+	1,905	1,215	376	314	0	59,684
Rate*	2,498.8	2,601.9	2,424.4	2,237.9	---	2,406.5
95% C.I.	(2,386.6-2,611.0)	(2,455.6-2,748.2)	(2,179.3-2,669.4)	(1,990.3-2,485.4)	---	(2,387.2-2,425.8)
Unknown	42	14	23	5	0	0

*Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 23. All Cancers Cases by County of Residence at Diagnosis, Nevada Residents, 1997-2001

County of Residence at Diagnosis	1997-2001 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	1,585	636.3	(605.0-667.6)	552.7	(525.7-581.0)
Churchill	647	536.4	(495.1-577.8)	562.5	(519.7-608.3)
Clark	27,522	413.1	(408.2-418.0)	456.9	(451.4-462.5)
Douglas	885	431.8	(403.3-460.2)	365.9	(341.2-392.2)
Elko	397	171.6	(154.7-188.4)	305.0	(272.6-340.8)
Esmeralda	22	415.9	(242.1-589.7)	354.3	(213.8-587.8)
Eureka	20	234.2	(131.6-336.9)	228.1	(137.9-385.2)
Humboldt	214	254.9	(220.8-289.1)	339.9	(293.7-392.5)
Lander	80	255.9	(199.8-312.0)	353.4	(275.6-449.0)
Lincoln	67	330.8	(251.6-410.0)	265.6	(205.1-345.0)
Lyon	910	535.0	(500.3-569.8)	466.6	(436.3-498.8)
Mineral	157	594.9	(501.9-688.0)	450.6	(381.3-532.5)
Nye	864	549.7	(513.0-586.4)	398.8	(371.0-428.7)
Pershing	85	298.8	(235.3-362.3)	343.8	(273.9-427.8)
Storey	46	255.8	(181.9-329.7)	223.2	(156.0-329.1)
Washoe	7,239	431.3	(421.3-441.2)	476.3	(465.3-487.6)
White Pine	101	240.4	(193.5-287.3)	203.1	(165.2-248.8)
Unknown	22	---	---	---	---
Total	40,863	419.6	(415.6-423.7)	453.4	(448.9-457.9)

Note: The "----" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 24. All Cancers Cases by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity		Gender			
		Male	Female	Other/Unknown	Total
White	Incidence	18,597	17,479	0	36,076
	Rate*	527.7	465.1	---	490.1
	95% C.I.	(519.7-535.7)	(458.2-472.1)	---	(485.0-495.3)
Black	Incidence	1,047	941	0	1,988
	Rate*	519.6	406.3	---	458.2
	95% C.I.	(484.7-557.7)	(379.6-434.6)	---	(436.9-480.6)
Native American	Incidence	98	87	0	185
	Rate*	235.1	167.1	---	194.6
	95% C.I.	(186.1-298.2)	(132.5-208.9)	---	(166.1-227.5)
Asian	Incidence	389	489	0	878
	Rate*	264.8	222.9	---	240.9
	95% C.I.	(232.7-302.6)	(198.7-251.2)	---	(221.2-262.9)
Hispanic	Incidence	795	696	0	1,491
	Rate*	282.0	187.8	---	226.3
	95% C.I.	(256.9-310.0)	(171.9-205.2)	---	(212.6-241.0)
Other/Unknown		116	129	0	245
Total	Incidence	21,042	19,821	0	40,863
	Rate*	496.7	423.0	---	453.4
	95% C.I.	(489.6-503.9)	(417.1-429.0)	---	(448.9-457.9)

Note: The "----" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and age-adjusted to the 2001 US Standard population.

Table 25. All Cancers Cases by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender			
	Male	Female	Other/ Unknown	Total
<1	20	11	0	31
Rate*	26.9	15.5	---	21.3
95% C.I.	(15.1-38.8)	(6.3-24.6)	---	(13.8-28.9)
1-4	59	44	0	103
Rate*	20.4	15.8	---	18.2
95% C.I.	(15.2-25.6)	(11.2-20.5)	---	(14.6-21.7)
5-14	90	68	0	158
Rate*	12.7	10.2	---	11.4
95% C.I.	(10.0-15.3)	(7.7-12.6)	---	(9.7-13.2)
15-24	145	142	0	287
Rate*	20.8	21.9	---	21.4
95% C.I.	(17.4-24.2)	(18.3-25.6)	---	(18.9-23.8)
25-34	327	536	0	863
Rate*	42.6	75.8	---	58.5
95% C.I.	(38.0-47.2)	(69.4-82.2)	---	(54.6-62.4)
35-44	733	1,529	0	2,262
Rate*	91.0	203.6	---	145.3
95% C.I.	(84.4-97.6)	(193.4-213.8)	---	(139.3-151.3)
45-54	2,230	3,072	0	5,302
Rate*	343.0	484.8	---	413.0
95% C.I.	(328.8-357.3)	(467.6-501.9)	---	(401.9-424.1)
55-64	4,967	4,209	0	9,176
Rate*	1,091.7	912.7	---	1,001.6
95% C.I.	(1,061.3-1,122.1)	(885.1-940.2)	---	(981.1-1,022.1)
65-74	7,239	5,258	0	12,497
Rate*	2,283.9	1,616.4	---	1,945.9
95% C.I.	(2,231.3-2,336.5)	(1,572.7-1,660.1)	---	(1,911.7-1,980.0)
75-84	4,341	3,896	0	8,237
Rate*	2,738.3	2,021.2	---	2,344.8
95% C.I.	(2,656.9-2,819.8)	(1,957.8-2,084.7)	---	(2,294.2-2,395.5)
85+	864	1,041	0	1,905
Rate*	3,491.4	2,021.8	---	2,498.8
95% C.I.	(3,258.5-3,724.2)	(1,898.9-2,144.6)	---	(2,386.6-2,611.0)
Unknown	27	15	0	42
Total	21,042	19,821	0	40,863
Rate*	425.1	414.0	---	419.6
95% C.I.	(419.3-430.8)	(408.2-419.8)	---	(415.6-423.7)

Rates are per 100,000 age-specific population.

Note: The "---" is used for rates calculated on numbers less than ten.

Table 26. All Cancers Cases by Age Group and Stage, Nevada Residents, 1997-2001

Age Group		Stage				
		In situ	Localized	Regional	Distant	Unstaged
<1	Number	0	8	1	12	10
	Percent	---	25.8%	3.2%	38.7%	32.3%
1-4	Number	0	23	2	62	16
	Percent	---	22.3%	1.9%	60.2%	15.5%
5-14	Number	0	44	11	71	32
	Percent	---	27.8%	7.0%	44.9%	20.3%
15-24	Number	2	128	43	75	39
	Percent	0.7%	44.6%	15.0%	26.1%	13.6%
25-34	Number	15	423	165	132	128
	Percent	1.7%	49.0%	19.1%	15.3%	14.8%
35-44	Number	99	1,024	495	343	301
	Percent	4.4%	45.3%	21.9%	15.2%	13.3%
45-54	Number	343	2,110	1,052	928	869
	Percent	6.5%	39.8%	19.8%	17.5%	16.4%
55-64	Number	354	3,544	1,836	1,764	1,678
	Percent	3.9%	38.6%	20.0%	19.2%	18.3%
65-74	Number	441	4,845	2,222	2,377	2,612
	Percent	3.5%	38.8%	17.8%	19.0%	20.9%
75-84	Number	261	2,816	1,301	1,588	2,271
	Percent	3.2%	34.2%	15.8%	19.3%	27.6%
85+	Number	44	522	281	325	733
	Percent	2.3%	27.4%	14.8%	17.1%	38.5%
Unknown	Number	1	16	11	11	3
	Percent	2.4%	38.1%	26.2%	26.2%	7.1%
Total	Number	1,560	15,503	7,420	7,688	8,692
	Percent	3.8%	37.9%	18.2%	18.8%	21.3%

Table 27. Cancer Incidence by Stage and Race/Ethnicity, Nevada Residents, 1997-2001

Stage		Race/Ethnicity					
		White	Black	Native American	Asian	Hispanic	Other/Unknown
In situ	Number	1,391	55	4	37	57	16
	Percent	3.9%	2.8%	2.2%	4.2%	3.8%	6.5%
Localized	Number	13,756	704	57	296	573	117
	Percent	38.1%	35.4%	30.8%	33.7%	38.4%	47.8%
Regional	Number	6,519	393	34	193	234	47
	Percent	18.1%	19.8%	18.4%	22.0%	15.7%	19.2%
Distant	Number	6,736	395	41	180	315	21
	Percent	18.7%	19.9%	22.2%	20.5%	21.1%	8.6%
Unstaged	Number	7,674	441	49	172	312	44
	Percent	21.3%	22.2%	26.5%	19.6%	20.9%	18.0%
Total	Number	36,076	1,988	185	878	1,491	245
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

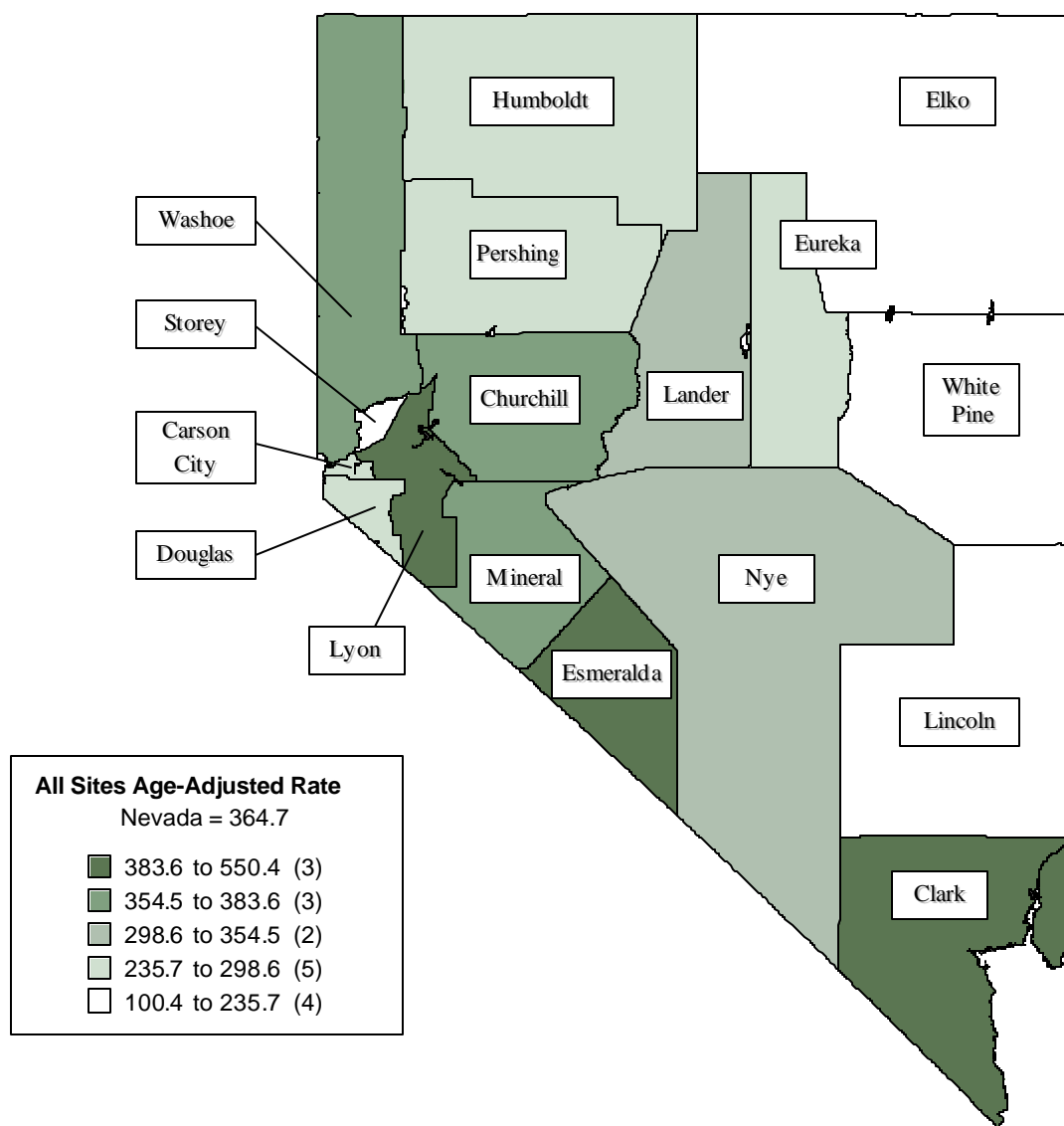
Table 28. Median Age at Diagnosis of All Cancers by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity	Gender					
	Male		Female		Total	
	Incidence	Median Age	Incidence	Median Age	Incidence	Median Age
White	18,572	68.0	17,467	66.0	36,039	67.0
Black	1,046	65.0	938	63.0	1,984	64.0
Native American	98	65.5	87	63.0	185	65.0
Asian	389	65.0	489	59.0	878	62.0
Hispanic	794	63.0	696	57.0	1,490	61.0
Other/Unknown	116	64.0	129	60.0	245	62.0
Total	21,015	67.0	19,806	65.0	40,821	66.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

Figure 27. All Cancers Age-Adjusted (2001) Inpatient Discharge Rates, Nevada Residents, 1997-2001



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical notes for more information.

Figure 28. All Cancers Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1997-2001

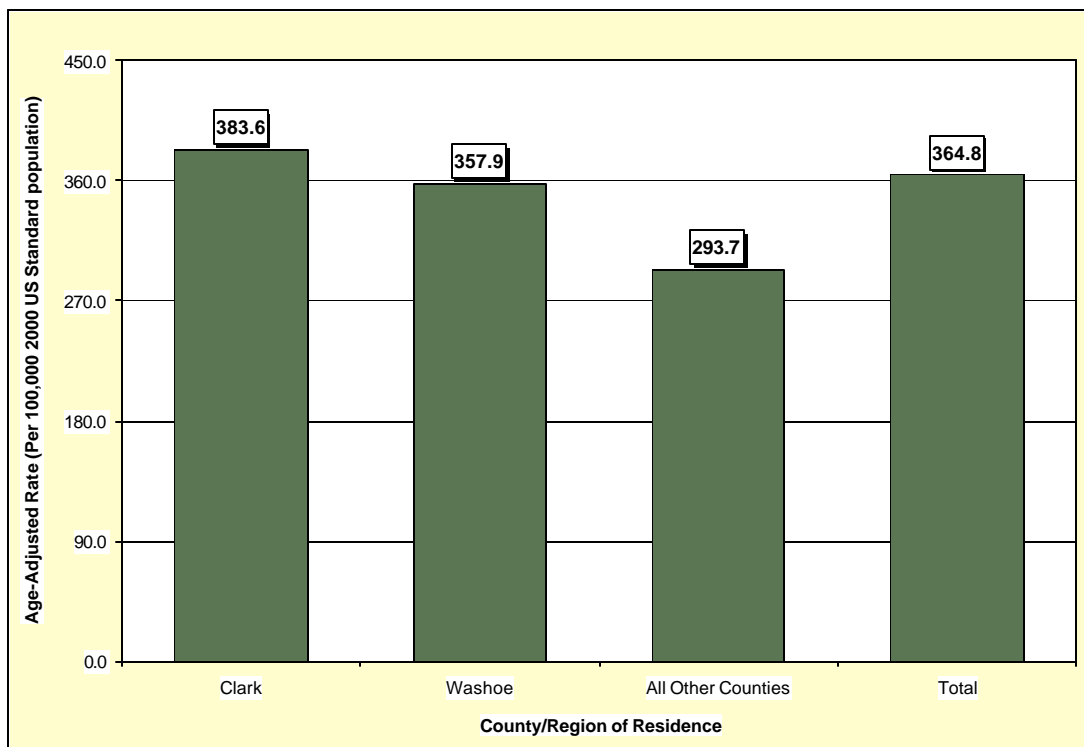


Figure 29. Median Charges for All Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

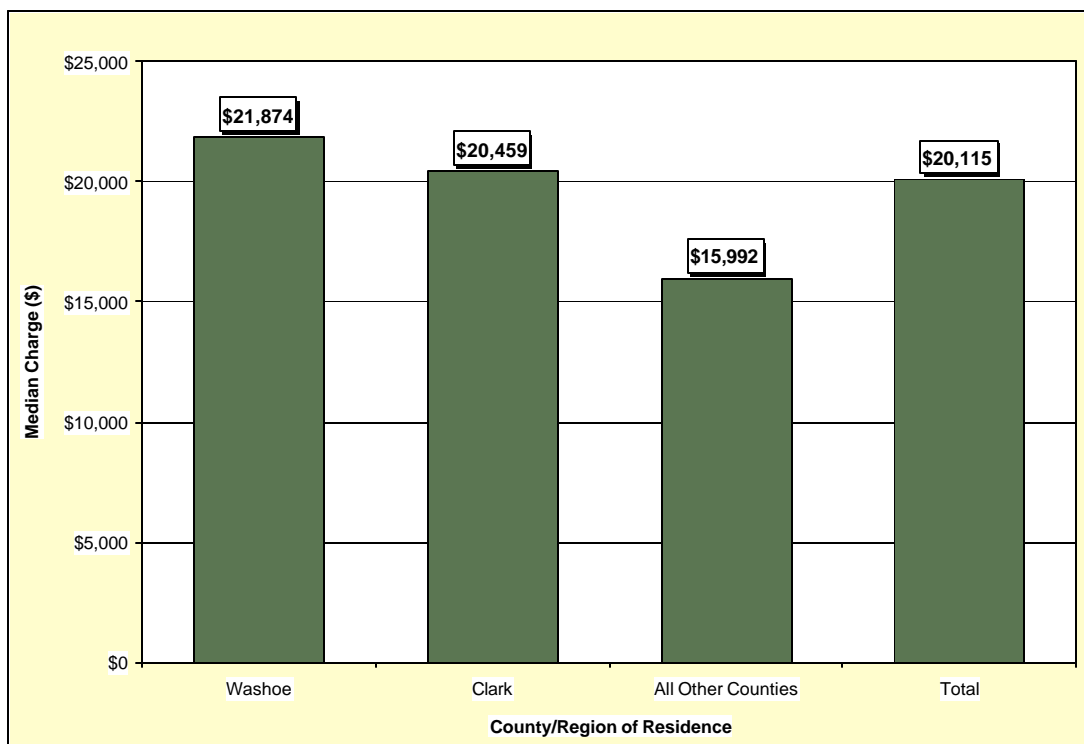


Figure 30. Average Length of Stay for All Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

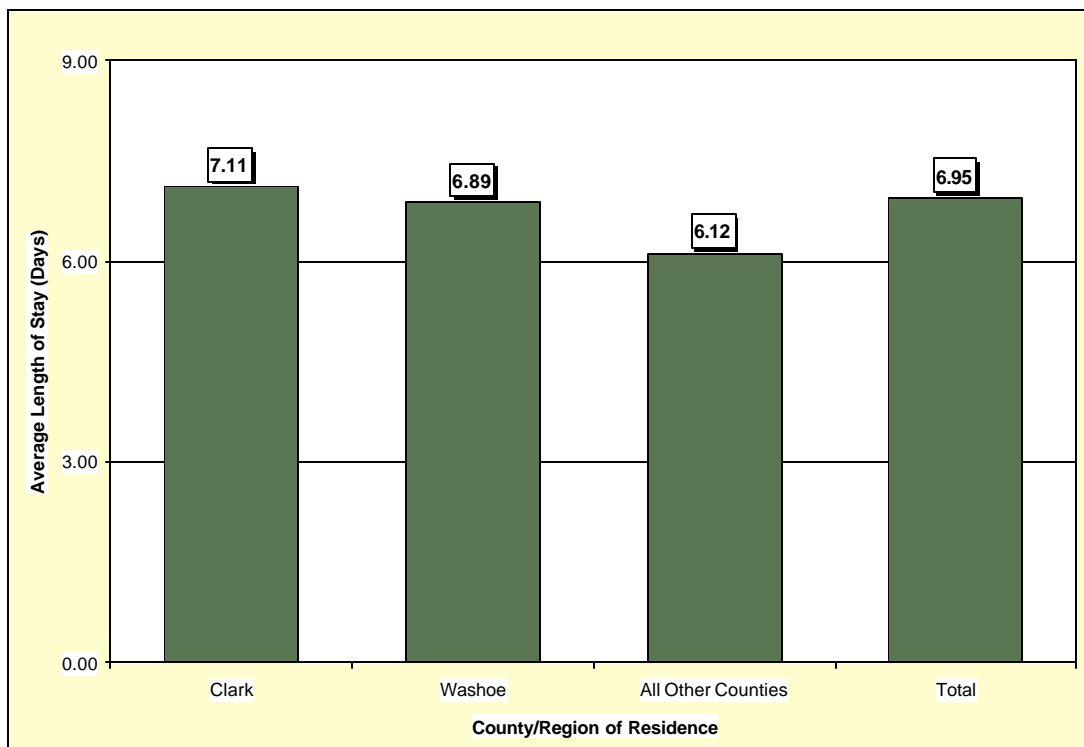


Table 29. All Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	33,235	23,445	5,453	4,325	12
Rate*	364.8	383.6	357.9	293.7	---
95% C.I.	(360.8-368.8)	(378.6-388.7)	(348.4-367.7)	(284.9-302.8)	---
Gender					
Male	16,125	11,406	2,451	2,260	8
Rate*	372.8	395.3	343.5	314.0	---
95% C.I.	(366.7-379.0)	(387.6-403.3)	(329.4-358.3)	(300.7-327.9)	---
Female	17,110	12,039	3,002	2,065	4
Rate*	363.4	380.8	374.8	276.7	---
95% C.I.	(357.9-368.9)	(373.9-387.7)	(361.4-388.5)	(264.8-289.0)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$1,013,692,130	\$158,970,196	\$158,970,196	\$107,192,310	\$981,706
Average Charges	\$30,501	\$31,843	\$29,153	\$24,784	\$81,809
Median Charges	\$20,115	\$20,459	\$21,874	\$15,992	\$27,389
Discharge Length of Stay (LOS) (Days)					
Total LOS	230,939	166,768	37,545	26,467	159
Average LOS	6.9	7.1	6.9	6.1	13.3
Median LOS	5.0	5.0	5.0	4.0	7.0

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 30. Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	33,235	23,445	5,453	4,325	12
Rate*	341.3	351.9	324.9	309.5	---
95% C.I.	(337.6-345.0)	(347.4-356.4)	(316.2-333.5)	(300.3-318.7)	---
Age Group					
<1	29	25	0	4	0
Rate*	20.0	24.3	---	---	---
95% C.I.	(12.7-27.2)	(14.8-33.9)	---	---	---
1-4	146	128	4	14	0
Rate*	25.7	32.0	---	14.8	---
95% C.I.	(21.6-29.9)	(26.5-37.6)	---	(7.0-22.6)	---
5-14	275	244	18	13	0
Rate*	19.9	25.9	7.8	5.7	---
95% C.I.	(17.6-22.3)	(22.7-29.2)	(4.2-11.5)	(2.6-8.7)	---
15-24	291	221	42	28	0
Rate*	21.7	23.8	18.3	12.2	---
95% C.I.	(19.2-24.1)	(20.7-27.0)	(12.8-23.8)	(7.7-16.7)	---
25-34	803	629	107	67	0
Rate*	54.4	59.2	42.0	26.3	---
95% C.I.	(50.7-58.2)	(54.6-63.8)	(34.0-49.9)	(20.0-32.6)	---
35-44	2,054	1,504	339	210	1
Rate*	132.0	143.7	119.7	74.1	---
95% C.I.	(126.3-137.7)	(136.4-151.0)	(106.9-132.4)	(64.1-84.1)	---
45-54	4,463	3,214	735	513	1
Rate*	347.6	379.7	310.8	216.9	---
95% C.I.	(337.4-357.8)	(366.5-392.8)	(288.4-333.3)	(198.2-235.7)	---
55-64	7,852	5,621	1,230	997	4
Rate*	857.1	904.4	819.3	664.1	---
95% C.I.	(838.1-876.0)	(880.7-928.0)	(773.6-865.1)	(622.9-705.4)	---
65-74	9,814	6,736	1,633	1,441	4
Rate*	1,528.1	1,557.4	1,592.9	1,405.6	---
95% C.I.	(1,497.9-1,558.3)	(1,520.2-1,594.6)	(1,515.7-1,670.2)	(1,333.0-1,478.2)	---
75-84	6,197	4,286	1,078	831	2
Rate*	1,764.1	1,835.2	1,864.1	1,437.0	---
95% C.I.	(1,720.2-1,808.0)	(1,780.2-1,890.1)	(1,752.8-1,975.4)	(1,339.3-1,534.7)	---
85+	1,311	837	267	207	0
Rate*	1,719.6	1,792.4	1,721.6	1,334.7	---
95% C.I.	(1,626.6-1,812.7)	(1,671.0-1,913.9)	(1,515.1-1,928.1)	(1,152.9-1,516.5)	---
Unknown	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 31. All Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender		
	Male	Female	Total
<1	13	16	29
Rate*	17.5	22.5	20.0
95% C.I.	(8.0-27.0)	(11.5-33.6)	(12.7-27.2)
1-4	85	61	146
Rate*	29.3	22.0	25.7
95% C.I.	(23.1-35.6)	(16.5-27.5)	(21.6-29.9)
5-14	135	140	275
Rate*	19.0	20.9	19.9
95% C.I.	(15.8-22.2)	(17.5-24.4)	(17.6-22.3)
15-24	135	156	291
Rate*	19.4	24.1	21.7
95% C.I.	(16.1-22.6)	(20.3-27.9)	(19.2-24.1)
25-34	261	542	803
Rate*	34.0	76.6	54.4
95% C.I.	(29.9-38.1)	(70.2-83.1)	(50.7-58.2)
35-44	637	1,417	2,054
Rate*	79.1	188.7	132.0
95% C.I.	(72.9-85.2)	(178.9-198.5)	(126.3-137.7)
45-54	1,886	2,577	4,463
Rate*	290.1	406.7	347.6
95% C.I.	(277.0-303.2)	(391.0-422.4)	(337.4-357.8)
55-64	4,180	3,672	7,852
Rate*	918.7	796.2	857.1
95% C.I.	(890.9-946.6)	(770.5-822.0)	(838.1-876.0)
65-74	5,280	4,534	9,814
Rate*	1,665.9	1,393.9	1,528.1
95% C.I.	(1,620.9-1,710.8)	(1,353.3-1,434.4)	(1,497.9-1,558.3)
75-84	2,950	3,247	6,197
Rate*	1,860.9	1,684.5	1,764.1
95% C.I.	(1,793.7-1,928.0)	(1,626.6-1,742.5)	(1,720.2-1,808.0)
85+	563	748	1,311
Rate*	2,275.0	1,452.7	1,719.6
95% C.I.	(2,087.1-2,463.0)	(1,348.6-1,556.8)	(1,626.6-1,812.7)
Unknown	0	0	0
Total	16,125	17,110	33,235
Rate*	325.7	357.4	341.3
95% C.I.	(320.7-330.8)	(352.0-362.7)	(337.6-345.0)

* Rates are per 100,000 age-specific population.

Note: The “---” is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 32. All Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

County of Residence	1997-2001 Inpatient Hospital Discharges				
	Number	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	732	293.9	(272.6-315.2)	254.0	(235.8-273.3)
Churchill	423	350.7	(317.3-384.1)	366.2	(331.9-403.5)
Clark	23,445	351.9	(347.4-356.4)	383.6	(378.6-388.7)
Douglas	575	280.5	(257.6-303.5)	235.7	(216.1-257.1)
Elko	252	108.9	(95.5-122.4)	198.9	(172.6-228.6)
Esmeralda	36	680.6	(458.3-902.9)	550.4	(378.3-809.3)
Eureka	19	222.5	(122.5-322.6)	247.1	(146.5-416.6)
Humboldt	191	227.5	(195.2-259.8)	298.6	(255.8-347.7)
Lander	79	252.7	(197.0-308.4)	348.1	(271.1-442.8)
Lincoln	48	237.0	(169.9-304.0)	197.8	(144.9-270.3)
Lyon	933	548.6	(513.4-583.8)	482.3	(451.3-515.2)
Mineral	123	466.1	(383.7-548.5)	354.5	(293.2-428.6)
Nye	731	465.1	(431.4-498.8)	338.4	(312.8-366.1)
Pershing	66	232.0	(176.0-288.0)	261.9	(201.9-336.0)
Storey	18	100.1	(53.9-146.3)	100.5	(53.3-192.1)
Washoe	5,453	324.9	(316.2-333.5)	357.9	(348.4-367.7)
White Pine	99	235.6	(189.2-282.1)	199.0	(161.4-244.3)
Unknown	12	---	---	---	---
Total	33,235	341.3	(337.6-345.0)	364.8	(360.8-368.8)

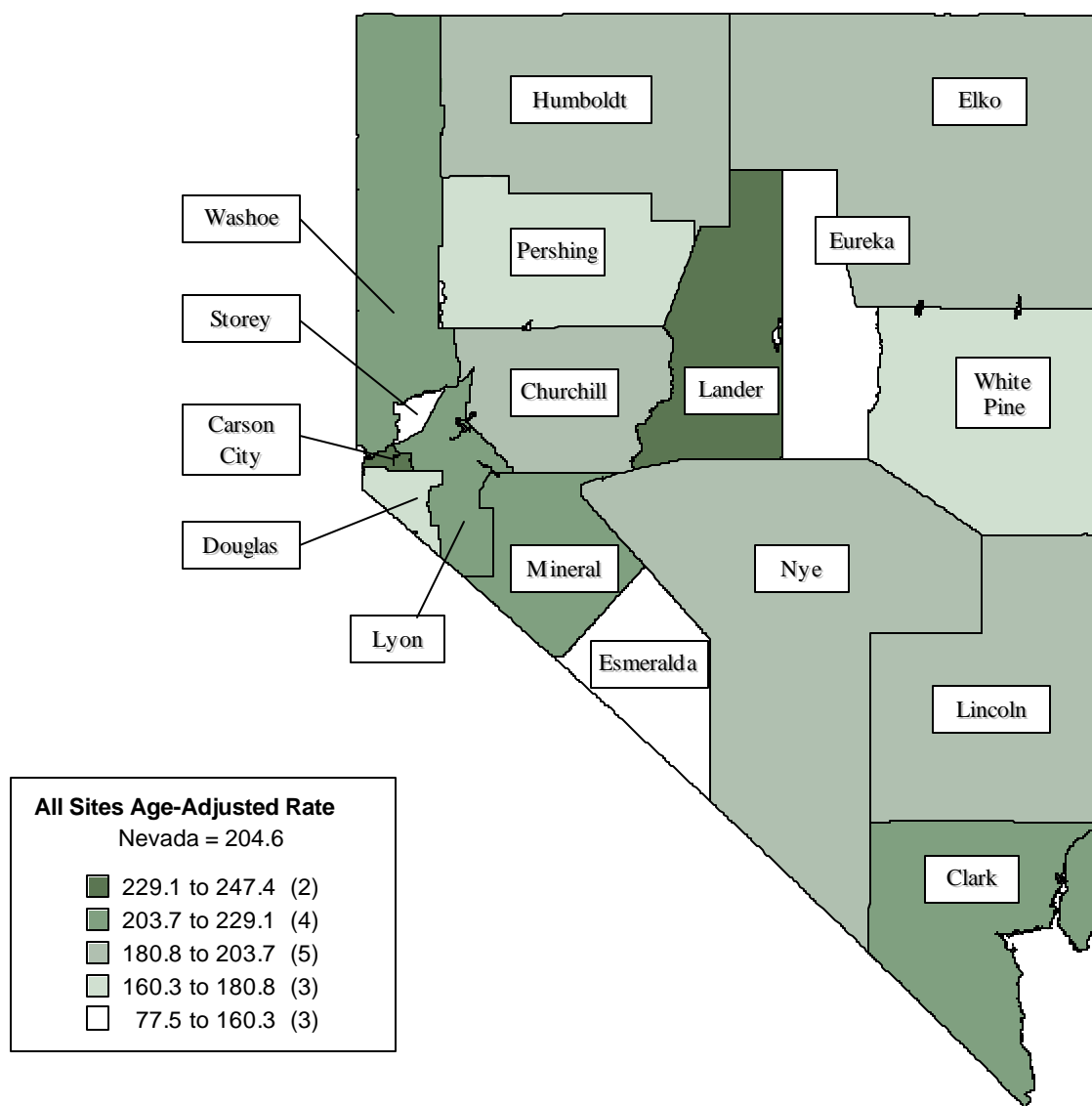
Note: The "----" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 33. All Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1997-2001

Age Group	Discharges	Charges (\$)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	29	1,310,808	45,200	27,798	310	10.7	7.0
1-4	146	8,468,166	58,001	36,331	1,910	13.1	8.0
5-14	275	12,487,109	45,408	26,233	2,337	8.5	5.0
15-24	291	12,797,626	43,978	23,263	2,443	8.4	4.0
25-34	803	25,114,033	31,275	16,863	4,984	6.2	3.0
35-44	2,054	55,359,959	26,952	17,031	12,074	5.9	4.0
45-54	4,463	130,343,963	29,205	19,924	28,969	6.5	4.0
55-64	7,852	252,357,910	32,139	20,877	55,710	7.1	5.0
65-74	9,814	297,081,590	30,271	20,744	67,271	6.9	5.0
75-84	6,197	185,090,653	29,868	19,851	45,491	7.3	6.0
85+	1,311	33,280,313	25,385	17,148	9,440	7.2	6.0
Unknown	0	---	---	---	---	---	---
Total	33,235	4,294,945	32,109	28,726	146	32,109.0	7.0

MORTALITY

Figure 31. Cancer Age-Adjusted (2001) Mortality Rates, Nevada Residents, 1997-2001



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 32. Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1997-2001

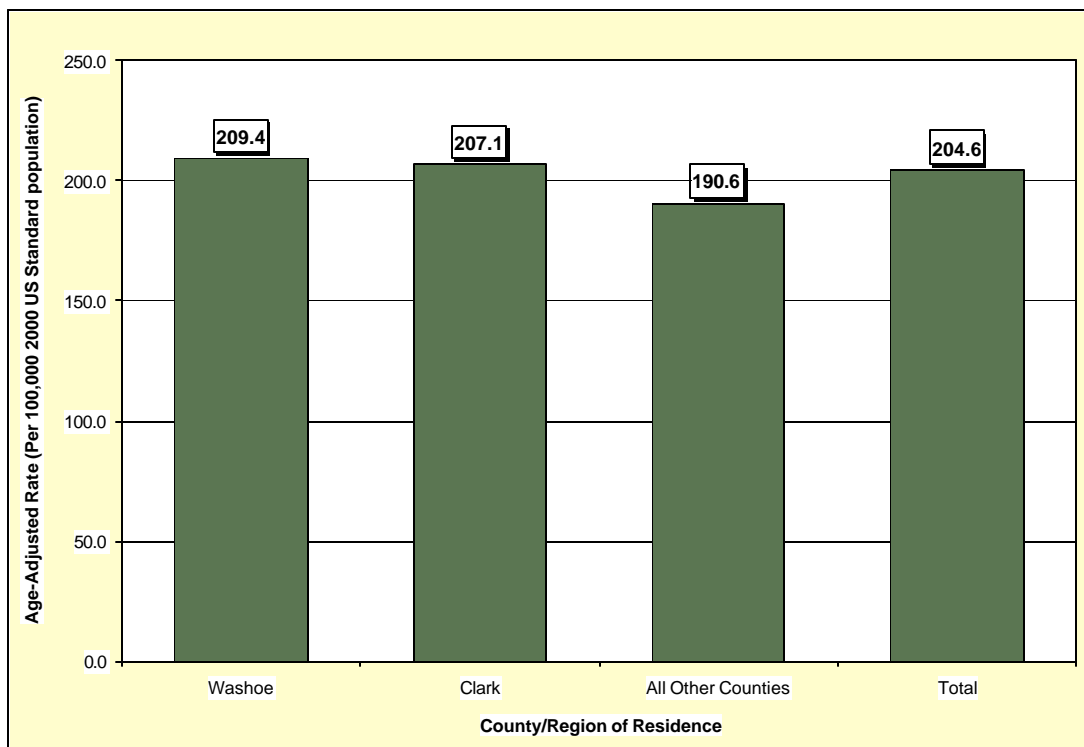


Figure 33. Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1997-2001

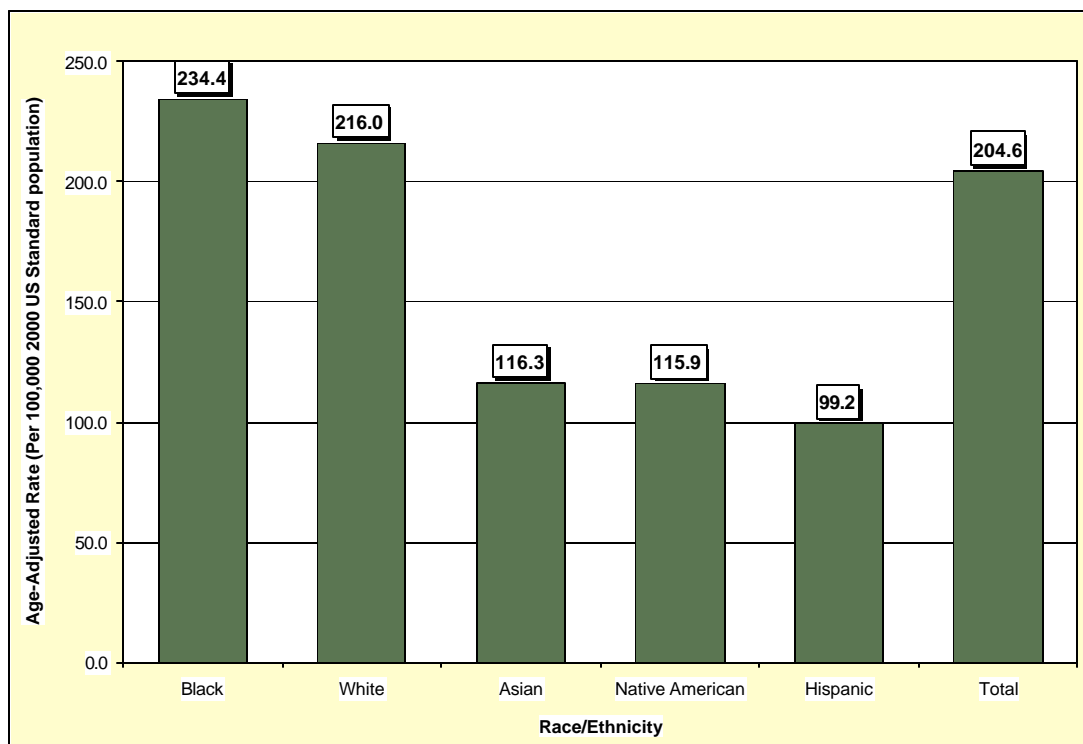


Table 34. All Cancers Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	17,459	11,761	3,005	2,693
Rate*	204.6	207.1	209.4	190.6
95% C.I.	(201.5-207.8)	(203.2-211.0)	(201.8-217.2)	(183.3-198.1)
Gender				
Male	9,476	6,383	1,571	1,522
Rate*	242.9	246.2	246.1	228.3
95% C.I.	(237.6-248.3)	(239.5-253.1)	(233.3-259.5)	(216.4-240.9)
Female	7,983	5,378	1,434	1,171
Rate*	175.8	178.0	183.9	158.9
95% C.I.	(172.0-179.8)	(173.2-182.9)	(174.4-193.7)	(149.8-168.3)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	15,447	10,113	2,770	2,564
Rate*	216.0	221.0	218.6	197.2
95% C.I.	(212.6-219.6)	(216.6-225.5)	(210.4-227.0)	(189.5-205.2)
Black	937	876	51	10
Rate*	234.4	237.7	230.9	130.6
95% C.I.	(218.5-251.4)	(220.9-255.8)	(170.0-308.2)	(62.2-246.2)
Native American	100	30	28	42
Rate*	115.9	82.5	171.7	115.6
95% C.I.	(93.1-143.3)	(53.8-125.6)	(110.4-259.5)	(82.5-159.0)
Asian	385	315	57	13
Rate*	116.3	116.5	120.6	111.8
95% C.I.	(101.8-133.4)	(100.0-136.3)	(86.1-170.2)	(53.3-230.3)
Hispanic	573	416	95	62
Rate*	99.2	93.9	114.4	114.4
95% C.I.	(89.7-109.7)	(83.3-105.9)	(89.2-147.3)	(84.4-153.1)
Other/Unknown	17	11	4	2

Note: The “---” is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 35. All Cancers Mortality by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	17,459	11,761	3,005	2,693
Rate*	179.3	176.5	179.0	192.7
95% C.I.	(176.6-181.9)	(173.3-179.7)	(172.6-185.4)	(185.4-200.0)
Age Group				
<1	4	3	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	14	9	2	3
Rate*	2.5	---	---	---
95% C.I.	(1.2-3.8)	---	---	---
5-14	31	19	9	3
Rate*	2.2	2.0	---	---
95% C.I.	(1.5-3.0)	(1.1-2.9)	---	---
15-24	40	27	6	7
Rate*	3.0	2.9	---	---
95% C.I.	(2.1-3.9)	(1.8-4.0)	---	---
25-34	110	88	13	9
Rate*	7.5	8.3	5.1	---
95% C.I.	(6.1-8.9)	(6.5-10.0)	(2.3-7.9)	---
35-44	498	357	86	55
Rate*	32.0	34.1	30.4	24.3
95% C.I.	(29.2-34.8)	(30.6-37.6)	(23.9-36.8)	(17.9-30.7)
45-54	1,543	1,101	247	195
Rate*	120.2	130.1	104.5	97.1
95% C.I.	(114.2-126.2)	(122.4-137.7)	(91.4-117.5)	(83.5-110.7)
55-64	3,345	2,276	549	520
Rate*	365.1	366.2	365.7	359.9
95% C.I.	(352.7-377.5)	(351.1-381.2)	(335.1-396.3)	(328.9-390.8)
65-74	5,512	3,690	952	870
Rate*	858.2	853.1	928.6	811.5
95% C.I.	(835.6-880.9)	(825.6-880.7)	(869.6-987.6)	(757.6-865.5)
75-84	4,836	3,245	832	759
Rate*	1,376.7	1,389.4	1,438.7	1,267.0
95% C.I.	(1,337.9-1,415.5)	(1,341.6-1,437.2)	(1,340.9-1,536.5)	(1,176.9-1,357.2)
85+	1,524	945	308	271
Rate*	1,999.0	2,023.7	1,985.9	1,931.4
95% C.I.	(1,898.7-2,099.4)	(1,894.7-2,152.7)	(1,764.1-2,207.7)	(1,701.4-2,161.4)
Unknown	2	1	1	0

Note: The “---” is used for rates calculated on numbers less than ten. * Rates are per 100,000 age-specific population.

Table 36. Cancer Mortality by County of Residence, Nevada Residents, 1997-2001

County of Residence	1997-2001 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	667	267.8	(247.4-288.1)	229.2	(212.0-247.5)
Churchill	203	168.3	(145.2-191.5)	180.8	(156.6-208.2)
Clark	11,761	176.5	(173.3-179.7)	207.1	(203.2-211.0)
Douglas	374	182.5	(164.0-201.0)	160.9	(144.2-179.4)
Elko	214	92.5	(80.1-104.9)	187.1	(160.6-217.1)
Esmeralda	9	---	---	---	---
Eureka	7	---	---	---	---
Humboldt	110	131.0	(106.5-155.5)	195.3	(159.0-238.5)
Lander	51	163.1	(118.4-207.9)	247.4	(180.6-332.9)
Lincoln	48	237.0	(169.9-304.0)	192.4	(141.1-263.0)
Lyon	383	225.2	(202.6-247.7)	203.8	(183.4-226.1)
Mineral	74	280.4	(216.5-344.3)	215.6	(168.4-275.9)
Nye	405	257.7	(232.6-282.8)	190.1	(170.7-211.7)
Pershing	38	133.6	(91.1-176.1)	161.0	(113.4-223.4)
Storey	28	155.7	(98.0-213.4)	139.6	(85.9-234.8)
Washoe	3,005	179.0	(172.6-185.4)	209.4	(201.8-217.2)
White Pine	82	195.2	(152.9-237.4)	160.3	(127.3-201.1)
Unknown	0	---	---	---	---
Total	17,459	179.3	(176.6-181.9)	204.6	(201.5-207.8)

Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 37. Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity		Gender		
		Male	Female	Total
White	Mortality	8,400	7,047	15,447
	Rate*	254.1	187.2	216.0
	95% C.I.	(248.3-260.1)	(182.9-191.7)	(212.6-219.6)
Black	Mortality	500	437	937
	Rate*	280.8	200.1	234.4
	95% C.I.	(252.8-312.3)	(181.0-221.0)	(218.5-251.4)
Native American	Mortality	57	43	100
	Rate*	158.9	90.3	115.9
	95% C.I.	(114.7-218.8)	(64.6-123.5)	(93.1-143.3)
Asian	Mortality	186	199	385
	Rate*	130.3	105.8	116.3
	95% C.I.	(108.1-158.4)	(87.1-129.2)	(101.8-133.4)
Hispanic	Mortality	324	249	573
	Rate*	128.0	78.3	99.2
	95% C.I.	(110.5-148.5)	(67.6-90.7)	(89.7-109.7)
Other/Unknown		9	8	17
Total	Mortality	9,476	7,983	17,459
	Rate*	242.9	175.8	204.6
	95% C.I.	(237.6-248.3)	(172.0-179.8)	(201.5-207.8)

Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 38. Cancer Mortality by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender		
	Male	Female	Total
<1	3	1	4
Rate*	---	---	---
95% C.I.	---	---	---
1-4	7	7	14
Rate*	---	---	2.5
95% C.I.	---	---	(1.2-3.8)
5-14	13	18	31
Rate*	1.8	2.7	2.2
95% C.I.	(0.8-2.8)	(1.4-3.9)	(1.5-3.0)
15-24	22	18	40
Rate*	3.2	2.8	3.0
95% C.I.	(1.8-4.5)	(1.5-4.1)	(2.1-3.9)
25-34	51	59	110
Rate*	6.6	8.3	7.5
95% C.I.	(4.8-8.5)	(6.2-10.5)	(6.1-8.9)
35-44	222	276	498
Rate*	27.6	36.8	32.0
95% C.I.	(23.9-31.2)	(32.4-41.1)	(29.2-34.8)
45-54	733	810	1,543
Rate*	112.8	127.8	120.2
95% C.I.	(104.6-120.9)	(119.0-136.6)	(114.2-126.2)
55-64	1,906	1,439	3,345
Rate*	418.9	312.0	365.1
95% C.I.	(400.1-437.7)	(295.9-328.2)	(352.7-377.5)
65-74	3,194	2,318	5,512
Rate*	1,007.7	712.6	858.2
95% C.I.	(972.8-1,042.7)	(683.6-741.6)	(835.6-880.9)
75-84	2,618	2,218	4,836
Rate*	1,651.4	1,150.7	1,376.7
95% C.I.	(1,588.2-1,714.7)	(1,102.8-1,198.6)	(1,337.9-1,415.5)
85+	705	819	1,524
Rate*	2,848.8	1,590.6	1,999.0
95% C.I.	(2,638.6-3,059.1)	(1,481.7-1,699.5)	(1,898.7-2,099.4)
Unknown	2	0	2
Total	9,476	7,983	17,459
Rate*	191.4	166.7	179.3
95% C.I.	(187.6-195.3)	(163.1-170.4)	(176.6-181.9)

Note: The “---” is used for rates calculated on numbers less than ten. * Rates are per 100,000 age-specific population.

Table 39. Median Age at Death from All Cancers by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity	Gender					
	Male		Female		Total	
	Deaths	Median Age	Deaths	Median Age	Deaths	Median Age
White	8,399	71.0	7,047	71.0	15,446	71.0
Black	499	67.0	437	67.0	936	67.0
Native American	57	68.0	43	68.0	100	68.0
Asian	186	66.0	199	64.0	385	65.0
Hispanic	324	65.0	249	64.0	573	65.0
Other/Unknown	9	61.0	8	69.5	17	64.0
Total	9,474	70.0	7,983	71.0	17,457	71.0

Note: Those deaths of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 34. Survival Rates for All Cancers by Race/Ethnicity, Nevada Residents, 1997-2001

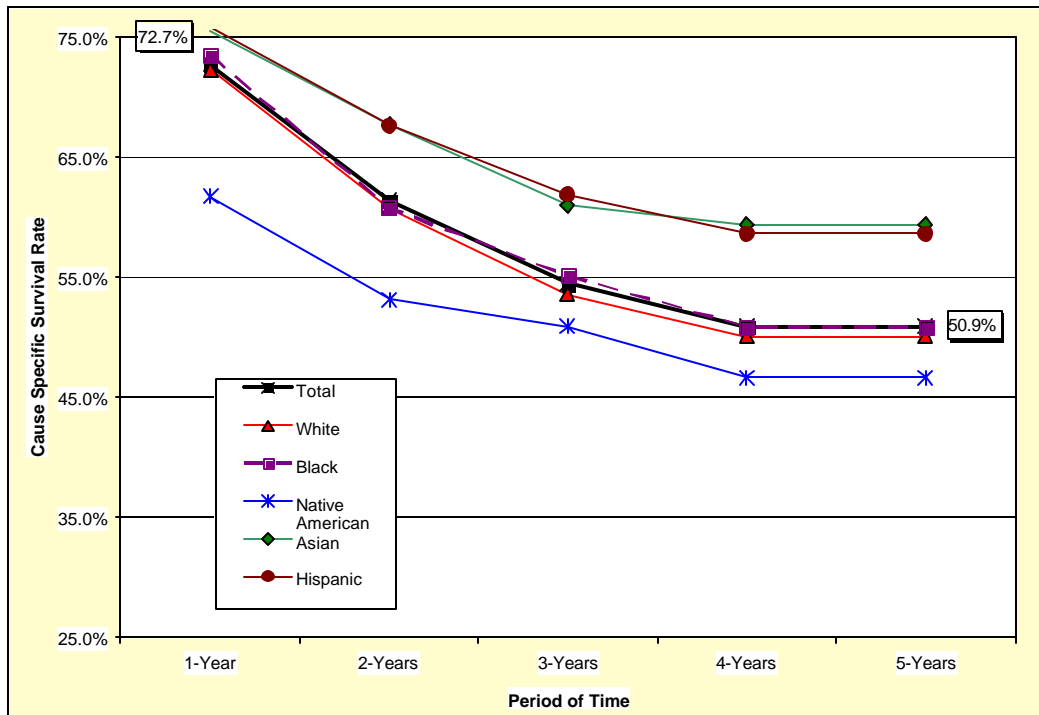


Figure 35. Survival Rates for All Cancers by Stage of Cancer at Diagnosis, Nevada Residents, 1997-2001

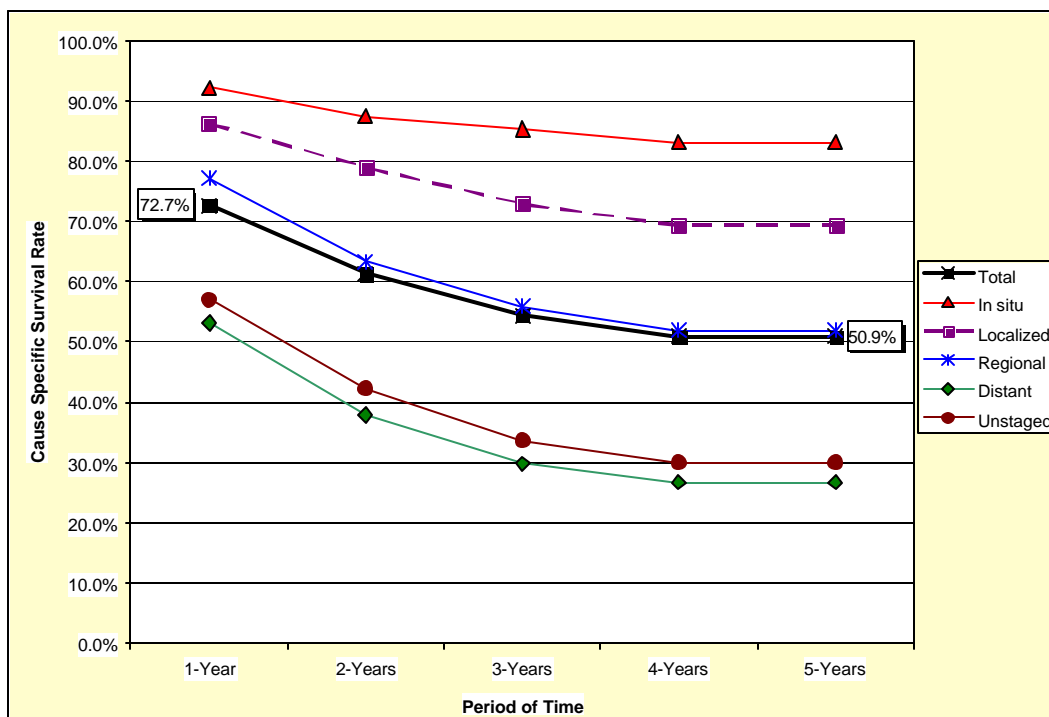


Table 40. Cause-Specific Survival Rates for All Cancers by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	31,479	72.7%	61.3%	54.4%	50.9%	50.9%	>5 years
Male	16,164	70.2%	57.8%	51.1%	47.2%	47.2%	3.28
Female	15,315	75.3%	65.0%	57.8%	54.5%	54.5%	>5 years
Race/Ethnicity							
White	27,619	72.3%	60.7%	53.6%	50.0%	50.0%	4.00
Male	14,199	70.0%	57.4%	50.5%	46.5%	46.5%	3.13
Female	13,420	74.7%	64.1%	56.7%	53.5%	53.5%	>5 years
Black	1,562	73.5%	60.7%	55.1%	50.8%	50.8%	>5 years
Male	830	70.3%	56.9%	49.5%	45.2%	45.2%	2.93
Female	732	77.2%	64.9%	60.4%	56.0%	56.0%	>5 years
Native American	128	61.7%	53.1%	50.8%	46.6%	46.6%	3.20
Male	65	56.9%	48.1%	48.1%	38.5%	38.5%	1.78
Female	63	66.4%	57.7%	53.9%	53.9%	53.9%	>5 years
Asian	728	75.6%	67.7%	61.0%	59.4%	59.4%	>5 years
Male	308	68.4%	57.3%	49.9%	49.9%	49.9%	2.99
Female	420	80.9%	75.0%	68.7%	66.1%	66.1%	>5 years
Hispanic	1,207	75.9%	67.6%	61.9%	58.6%	58.6%	>5 years
Male	649	71.5%	62.2%	60.5%	56.7%	56.7%	>5 years
Female	558	81.0%	73.7%	64.2%	61.3%	61.3%	>5 years

Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 41. Cause-Specific Survival Rates for All Cancers by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1997-2001

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	31,479	16,164	15,315
	One Year	72.7%	70.2%	75.3%
	5 Years	50.9%	47.2%	54.5%
	Median Survival	>5 years	3.28	>5 years
Stage at Diagnosis				
In situ	Cases	1,273	358	915
	One Year	92.3%	94.9%	91.2%
	5 Years	83.2%	76.2%	85.7%
	Median Survival	>5 years	>5 years	>5 years
Localized	Cases	12,673	6,710	5,963
	One Year	86.3%	85.5%	87.2%
	5 Years	69.4%	67.8%	70.9%
	Median Survival	>5 years	>5 years	>5 years
Regional	Cases	5,881	2,627	3,254
	One Year	77.2%	73.0%	80.6%
	5 Years	51.9%	44.8%	57.7%
	Median Survival	>5 years	2.89	>5 years
Distant	Cases	5,776	3,129	2,647
	One Year	53.1%	50.0%	56.9%
	5 Years	26.6%	24.7%	28.9%
	Median Survival	1.20	1.00	1.47
Unstaged	Cases	5,876	3,340	2,536
	One Year	57.0%	56.9%	57.1%
	5 Years	29.8%	29.7%	29.9%
	Median Survival	1.47	1.48	1.46

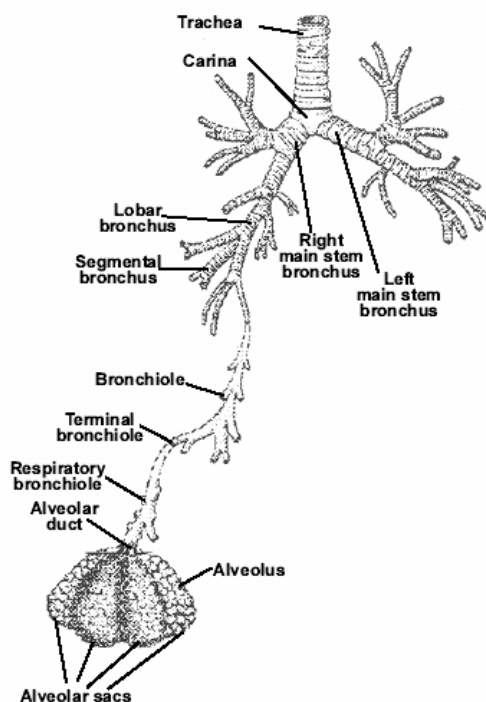
Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

LUNG AND BRONCHUS CANCER

LUNG AND BRONCHUS CANCER

GENERAL PROFILE⁴

Figure 36. Anatomy of the Respiratory Tract⁵



General Anatomy: The lungs, a pair of sponge-like, cone-shaped organs, are part of the respiratory system. The right lung has three sections, called lobes; it is a little larger than the left lung, which has two lobes. When we breathe in, the lungs take in oxygen, which our cells need to live and carry out their normal functions. When we breathe out, the lungs get rid of carbon dioxide, which is a waste product of the body's cells.

Risk Factors: Smoking is the most common factor in determining risk for Lung and Bronchus Cancer. Exposure to radon, asbestos, pollution, certain lung diseases, such as tuberculosis, and personal family history are also important risk factors.

Signs and Symptoms: Common signs and symptoms include: a cough that doesn't go away and worsens over time, constant chest pain, coughing up blood, shortness of breath, wheezing or hoarseness, repeated problems with pneumonia or bronchitis, swelling of the neck and face, loss of appetite or weight loss, and fatigue.

Diagnosing the Cancer: The most common ways of diagnosing Lung and Bronchus Cancer are: bronchoscopy, needle aspiration, thoracentesis, thoracotomy.

Treatment: Treatment options include: surgery, chemotherapy, radiation therapy, and photodynamic therapy.

HIGHLIGHTS

- Nevadan females had a higher ratio than males when the incidence and mortality age-adjusted rates for Lung and Bronchus Cancer were compared. Females had a ratio of 1.37 while the ratio for males was 1.27. This means that for every death due to Lung and Bronchus Cancer there would be 1.37 female cases, while only 1.27 cases for every male death.
- The median age at diagnosis of Lung and Bronchus Cancer for both female and male Nevada residents was 69 years of age from 1997 to 2001. The median age at time of death due to Lung and Bronchus Cancer was 70 years of age for both female and male Nevada residents.

INCIDENCE

- There were 7,336 cases of Lung and Bronchus Cancer reported in Nevada from 1997 to 2001, which was the highest of any type of cancer during this period. Clark County had a statistically significant higher incidence rate of Lung and Bronchus Cancer (85.4) during this period, with both Washoe County and All Other Counties as a region, slightly lower at rates of 74.3 and 74.7, respectively. However Nevada as a whole, as well as the three regions separately, had statistically significant higher rates than the National rate of 61.7 (per 100,000 – 2000 US Standard population).
- Whites and Blacks, as racial/ethnic groups, accounted for 94.6% of all reported Lung and Bronchus Cancer cases during the 1997 to 2001 period. Their higher age-adjusted incidence rates, 88.3 and 78.5 respectively, showed statistical significance over Asians, Native Americans and Hispanics who had age-adjusted incidence rates of 43.5, 44.1 and 32.9 (per 100,000 – 2000 US Standard population), respectively, during this same period.
- The higher age-adjusted incidence rate for males was statistically significant at 94.4 (91.3-97.6) over the rate for females (69.3-74.2) during the 1997 to 2001 period. However, both had statistically significant higher rates when compared to their national counterparts. The difference was considerably more for females, whose rate was 46.2% greater than the National rate, while the rate difference for Males was still a considerable 21.3% over the National rate during this period.

INPATIENT HOSPITAL DISCHARGES

- Billed charges from Lung and Bronchus Cancer inpatient discharges accounted for nearly 159 million dollars from 1997 to 2001. Nevadans in the 55-64 and 65-74 year age groups accounted for 63.2% of the total charges during this period. The median total bill charged for Lung and Bronchus Cancer discharges was approximately \$26,950 in Nevada during this period. Clark County had the highest median total billed charge, \$34,568, when compared to the amounts for Washoe County and All Other Counties of \$27,029 and \$25,091.

- There were 4,965 Inpatient Discharges for Lung and Bronchus Cancer in Nevada from 1997 to 2001. Clark County (58.1) had the highest age-adjusted inpatient discharge rate for Lung and Bronchus Cancer in Nevada, which showed statistical significance over the rates for Nevada overall, Washoe County, and All Other Counties who had rates of 54.3, 49.5 and 43.6 (per 100,000 – 2000 US Standard population), respectively.

MORTALITY

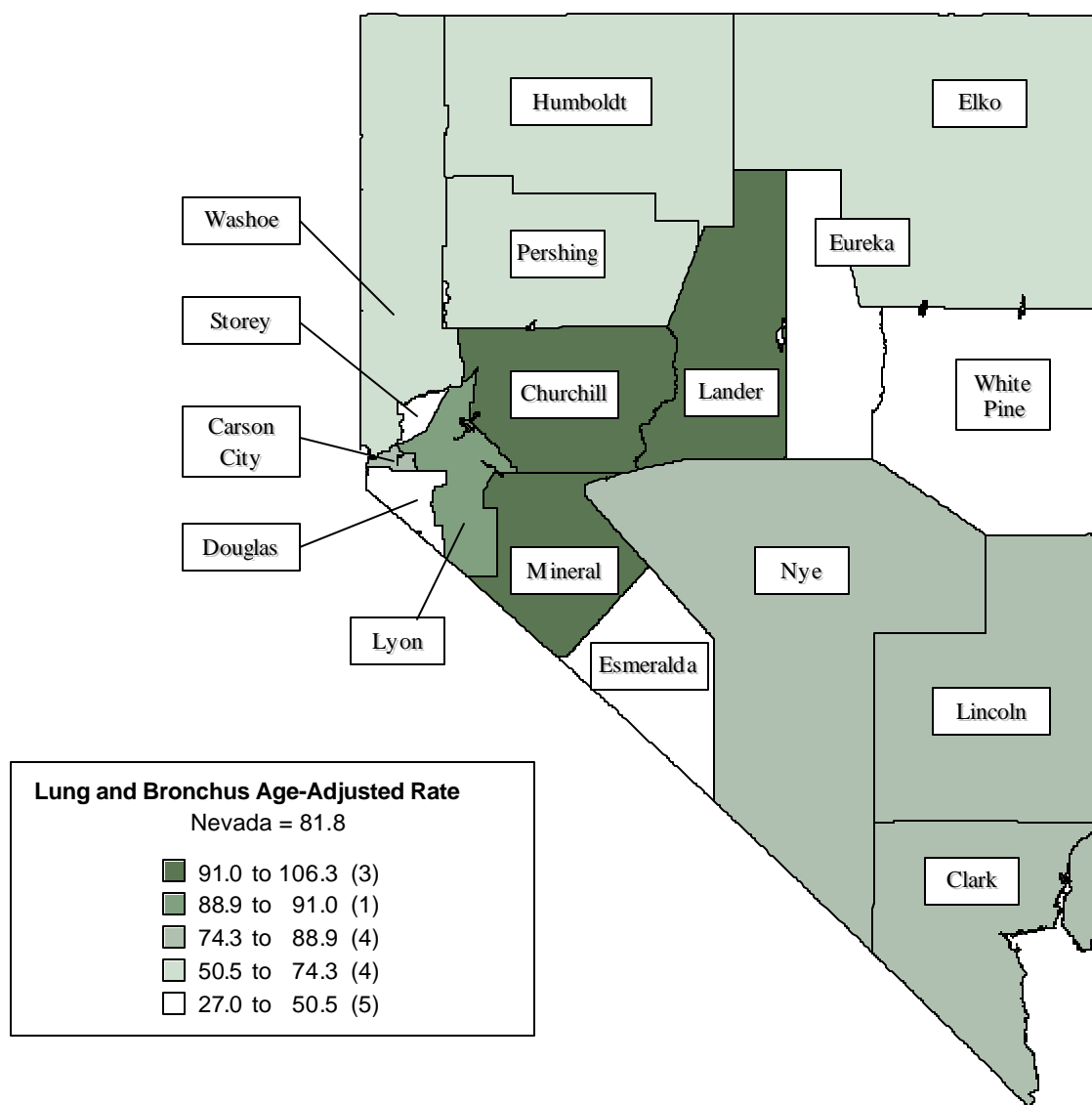
- There were 5,582 resident deaths due to Lung and Bronchus Cancer from 1997 to 2001. Clark County had a higher age-adjusted mortality rate (65.6) than Washoe County (62.2) and All Other Counties, as a region, (57.6) during the 1997 to 2001 period.
- Nevada males had a 59.0% higher statistically significant age-adjusted mortality rate (76.8) for Lung and Bronchus Cancer when compared to the female rate of 53.1 (per 100,000 – 2000 US Standard population) for the 1997 to 2001 period.
- Whites and Blacks, as racial/ethnic groups, accounted for 96.2% of all reported Lung and Bronchus Cancer cases during the 1997 to 2001 period. Their higher age-adjusted mortality rates, 68.9 and 67.4 respectively, showed statistical significance over Asians, Native Americans and Hispanics who had age-adjusted incidence rates of 30.6, 30.1 and 15.9 (per 100,000 – 2000 US Standard population), respectively, during this same period.

SURVIVAL RATE

- Females had a higher one-year survival rate (52.9%) than males (47.2%) for Lung and Bronchus Cancer in Nevada from 1997 to 2001. This trend was similar for the median survival time with females and males at 1.17 and 0.95 years, respectively. However, the difference decreased by the third-year survival rate where females had a slightly lower rate (25.7%) than males (25.9%) during the 1997-2001 period.
- Asians, as a racial/ethnic group, had the highest one-year survival rate for Lung and Bronchus Cancer (62.1%) as well as the highest five-year survival rate (47.0%) of those groups that had a rate calculated for Nevada from 1997 to 2001.
- The Lung and Bronchus Cancer Survival Rate varies greatly by the stage of the cancer at time of diagnosis. Those diagnosed at the localized stage had the highest one- and five-year survival rates with 76.2% and 50.6%, respectively. This was followed by those with Regional and then Distant diagnoses with rates of 62.8% and 29.7% for the one year period and 34.6% and 10.8% for the five year period.

INCIDENCE

**Figure 37. Lung and Bronchus Cancer Age-Adjusted (2001) Incidence Rates,
Nevada Residents, 1997-2001**



Note: Rates are per 100,000 population and age-adjusted to 2001 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 38. Lung and Bronchus Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1997-2001

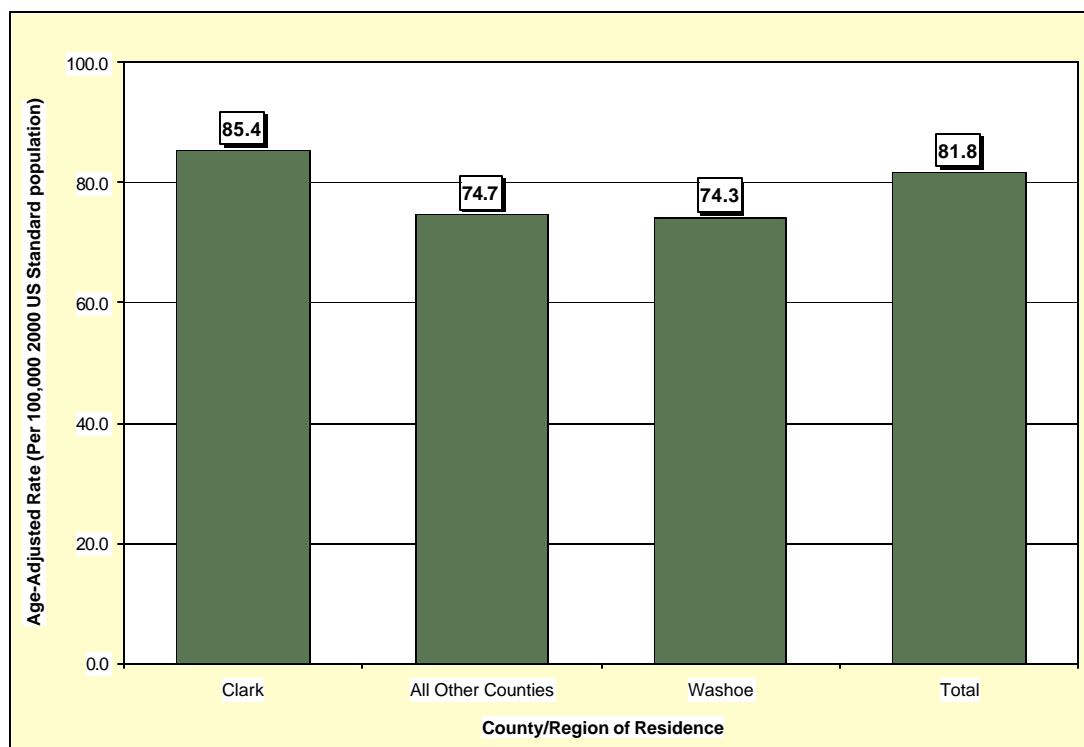


Figure 39. Lung and Bronchus Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1997-2001

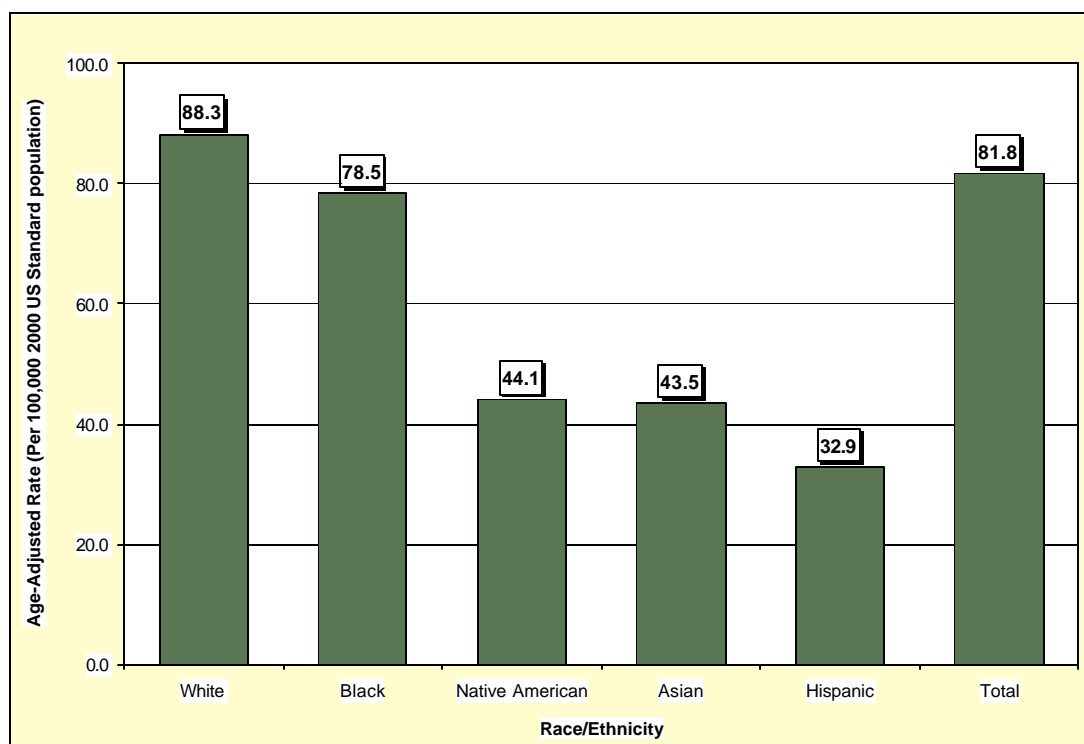


Table 42. Lung and Bronchus Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1997-2001)
Total						
Cases	7,336	5,117	1,102	1,113	4	105,298
Rate*	81.8	85.4	74.3	74.7	---	61.7
95% C.I.	(79.9-83.7)	(83.0-87.9)	(69.9-78.9)	(70.3-79.3)	---	(61.3-62.1)
Gender						
Male	3,970	2,766	576	625	3	58,192
Rate*	94.4	98.6	84.7	87.7	---	79.1
95% C.I.	(91.3-97.6)	(94.6-102.7)	(77.6-92.4)	(80.8-95.4)	---	(78.5-79.8)
Female	3,366	2,351	526	488	1	47,106
Rate*	71.7	74.9	66.6	63.7	---	49.1
95% C.I.	(69.3-74.2)	(71.9-78.1)	(61.0-72.6)	(58.1-69.7)	---	(48.7-49.6)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	6,629	4,557	1,018	1,051	3	86,163
Rate*	88.3	94.5	77.7	76.8	---	62.4
95% C.I.	(86.2-90.5)	(91.8-97.4)	(73.0-82.7)	(72.1-81.7)	---	(62.0-62.8)
Black	330	271	34	24	1	11,314
Rate*	78.5	69.7	153.5	296.6	---	79.8
95% C.I.	(69.9-88.2)	(61.3-79.5)	(105.0-218.7)	(189.4-447.8)	---	(78.4-81.4)
Native American	41	19	11	11	0	467
Rate*	44.1	48.7	58.2	31.3	---	33.1
95% C.I.	(31.1-61.7)	(28.2-84.2)	(27.6-115.8)	(15.3-58.3)	---	(30.0-30.0)
Asian	137	104	25	8	0	7,156
Rate*	43.5	39.8	53.4	---	---	42.4
95% C.I.	(34.5-55.2)	(30.3-52.9)	(30.7-93.0)	---	---	(41.4-43.4)
Hispanic	183	151	14	18	0	4,919
Rate*	32.9	35.0	23.3	32.1	---	32.2
95% C.I.	(27.6-39.1)	(28.8-42.7)	(11.4-44.5)	(18.3-54.7)	---	(31.3-33.2)
Other/Unknown	16	15	0	1	0	198

* Rates are per 100,000 population and age-adjusted to the 2001 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing rates for racial/ethnic groups to the National (SEER) rates. See Technical Notes for more information.

Table 43. Lung and Bronchus Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1997-2001)
Total						
Cases	7,336	5,117	1,102	1,113	4	105,298
Rate*	75.3	76.8	65.7	79.6	---	56.9
95% C.I.	(73.6-77.1)	(74.7-78.9)	(61.8-69.5)	(75.0-84.3)	---	(56.5-57.2)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	0	0	0	0	0	6
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
15-24	3	3	0	0	0	52
Rate*	---	---	---	---	---	0.2
95% C.I.	---	---	---	---	---	(0.1-0.3)
25-34	13	11	1	1	0	262
Rate*	0.9	1.0	---	---	---	0.9
95% C.I.	(0.4-1.4)	(0.4-1.6)	---	---	---	(0.8-1.0)
35-44	129	98	15	16	0	2,325
Rate*	8.3	9.4	5.3	7.1	---	7.4
95% C.I.	(6.9-9.7)	(7.5-11.2)	(2.6-8.0)	(3.6-10.5)	---	(7.1-7.7)
45-54	627	442	100	84	1	9,343
Rate*	48.8	52.2	42.3	41.8	---	40.8
95% C.I.	(45.0-52.7)	(47.3-57.1)	(34.0-50.6)	(32.9-50.8)	---	(40.0-41.7)
55-64	1,699	1,202	238	256	3	21,791
Rate*	185.4	193.4	158.5	177.2	---	155.6
95% C.I.	(176.6-194.3)	(182.5-204.3)	(138.4-178.7)	(155.5-198.9)	---	(153.6-157.7)
65-74	2,806	1,954	412	440	0	35,790
Rate*	436.9	451.8	401.9	410.4	---	310.2
95% C.I.	(420.7-453.1)	(431.7-471.8)	(363.1-440.7)	(372.1-448.8)	---	(307.0-313.4)
75-84	1,738	1,195	273	270	0	28,880
Rate*	494.8	511.7	472.1	450.7	---	397.3
95% C.I.	(471.5-518.0)	(482.7-540.7)	(416.1-528.1)	(397.0-504.5)	---	(392.7-401.9)
85+	314	211	58	45	0	6,843
Rate*	411.9	451.9	374.0	320.7	---	275.9
95% C.I.	(366.3-457.4)	(390.9-512.8)	(277.7-470.2)	(227.0-414.4)	---	(269.4-282.5)
Unknown	7	1	5	1	0	0

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 44. Lung and Bronchus Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1997-2001

County of Residence at Diagnosis	1997-2001 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	253	101.6	(89.1-114.1)	85.4	(75.1-96.8)
Churchill	112	92.9	(75.7-110.1)	97.3	(80.0-117.7)
Clark	5,117	76.8	(74.7-78.9)	85.4	(83.0-87.9)
Douglas	123	60.0	(49.4-70.6)	50.5	(41.6-61.1)
Elko	73	31.5	(24.3-38.8)	56.0	(42.8-72.7)
Esmeralda	3	---	---	---	---
Eureka	4	---	---	---	---
Humboldt	45	53.6	(37.9-69.3)	74.1	(53.2-101.7)
Lander	20	64.0	(35.9-92.0)	106.3	(63.1-169.6)
Lincoln	20	98.7	(55.5-142.0)	75.6	(46.0-125.8)
Lyon	185	108.8	(93.1-124.4)	91.0	(78.2-105.7)
Mineral	36	136.4	(91.9-181.0)	97.2	(67.5-140.4)
Nye	204	129.8	(112.0-147.6)	88.9	(76.5-103.5)
Pershing	16	56.2	(28.7-83.8)	67.9	(38.6-112.5)
Storey	5	---	---	---	---
Washoe	1,102	65.7	(61.8-69.5)	74.3	(69.9-78.9)
White Pine	14	33.3	(15.9-50.8)	27.1	(14.8-48.0)
Unknown	4	---	---	---	---
Total	7,336	75.3	(73.6-77.1)	81.8	(79.9-83.7)

Note: The "----" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 45. Lung and Bronchus Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity		Gender			
		Male	Female	Other/Unknown	Total
White	Incidence	3,544	3,085	0	6,629
	Rate*	99.5	79.4	---	88.3
	95% C.I.	(96.1-103.1)	(76.6-82.2)	---	(86.2-90.5)
Black	Incidence	200	130	0	330
	Rate*	98.9	59.7	---	78.5
	95% C.I.	(84.6-116.5)	(49.6-71.7)	---	(69.9-88.2)
Native American	Incidence	20	21	0	41
	Rate*	50.0	41.2	---	44.1
	95% C.I.	(28.7-87.6)	(25.0-64.9)	---	(31.1-61.7)
Asian	Incidence	75	62	0	137
	Rate*	59.0	31.9	---	43.5
	95% C.I.	(43.0-81.6)	(22.3-46.6)	---	(34.5-55.2)
Hispanic	Incidence	121	62	0	183
	Rate*	47.9	20.9	---	32.9
	95% C.I.	(38.0-60.9)	(15.5-28.0)	---	(27.6-39.1)
Other/Unknown		10	6	0	16
Total	Incidence	3,970	3,366	0	7,336
	Rate*	94.4	71.7	---	81.8
	95% C.I.	(91.3-97.6)	(69.3-74.2)	---	(79.9-83.7)

Note: The "----" is used for rates calculated on numbers less than ten.

*Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 46. Lung and Bronchus Cancer Cases by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender			
	Male	Female	Other/ Unknown	Total
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	2	0	3
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	9	4	0	13
Rate*	---	---	---	0.9
95% C.I.	---	---	---	(0.4-1.4)
35-44	62	67	0	129
Rate*	7.7	8.9	---	8.3
95% C.I.	(5.8-9.6)	(6.8-11.1)	---	(6.9-9.7)
45-54	319	308	0	627
Rate*	49.1	48.6	---	48.8
95% C.I.	(43.7-54.5)	(43.2-54.0)	---	(45.0-52.7)
55-64	935	764	0	1,699
Rate*	205.5	165.7	---	185.4
95% C.I.	(192.3-218.7)	(153.9-177.4)	---	(176.6-194.3)
65-74	1,576	1,230	0	2,806
Rate*	497.2	378.1	---	436.9
95% C.I.	(472.7-521.8)	(357.0-399.3)	---	(420.7-453.1)
75-84	908	830	0	1,738
Rate*	572.8	430.6	---	494.8
95% C.I.	(535.5-610.0)	(401.3-459.9)	---	(471.5-518.0)
85+	156	158	0	314
Rate*	630.4	306.9	---	411.9
95% C.I.	(531.5-729.3)	(259.0-354.7)	---	(366.3-457.4)
Unknown	4	3	0	7
Total	3,970	3,366	0	7,336
Rate*	80.2	70.3	---	75.3
95% C.I.	(77.7-82.7)	(67.9-72.7)	---	(73.6-77.1)

Note: The “---” is used for rates calculated on numbers less than ten.

* Rates are per 100,000 age-specific population.

Table 47. Lung and Bronchus Cancer Cases by Age Group and Stage, Nevada Residents, 1997-2001

Age Group		Stage				
		In situ	Localized	Regional	Distant	Unstaged
<1	Number	0	0	0	0	0
	Percent	---	---	---	---	---
1-4	Number	0	0	0	0	0
	Percent	---	---	---	---	---
5-14	Number	0	0	0	0	0
	Percent	---	---	---	---	---
15-24	Number	0	1	2	0	0
	Percent	---	33.3%	66.7%	---	---
25-34	Number	0	4	2	6	1
	Percent	---	30.8%	15.4%	46.2%	7.7%
35-44	Number	0	15	31	68	15
	Percent	---	11.6%	24.0%	52.7%	11.6%
45-54	Number	0	72	124	292	139
	Percent	---	11.5%	19.8%	46.6%	22.2%
55-64	Number	0	263	344	671	421
	Percent	---	15.5%	20.2%	39.5%	24.8%
65-74	Number	0	496	573	920	817
	Percent	---	17.7%	20.4%	32.8%	29.1%
75-84	Number	0	289	282	534	633
	Percent	---	16.6%	16.2%	30.7%	36.4%
85+	Number	0	35	42	70	167
	Percent	---	11.1%	13.4%	22.3%	53.2%
Unknown	Number	0	1	1	2	3
	Percent	---	14.3%	14.3%	28.6%	42.9%
Total	Number	0	1,176	1,401	2,563	2,196
	Percent	---	16.0%	19.1%	34.9%	29.9%

Table 48. Lung and Bronchus Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1997-2001

Stage		Race/Ethnicity						
		White	Black	Native American	Asian	Hispanic	Other/Unknown	Total
In situ	Number	0	0	0	0	0	0	0
	Percent	---	---	---	---	---	---	---
Localized	Number	1,082	50	2	20	18	4	1,176
	Percent	16.3%	15.2%	4.9%	14.6%	9.8%	25.0%	16.0%
Regional	Number	1,265	66	8	25	32	5	1,401
	Percent	19.1%	20.0%	19.5%	18.2%	17.5%	31.3%	19.1%
Distant	Number	2,301	112	20	52	73	5	2,563
	Percent	34.7%	33.9%	48.8%	38.0%	39.9%	31.3%	34.9%
Unstaged	Number	1,981	102	11	40	60	2	2,196
	Percent	29.9%	30.9%	26.8%	29.2%	32.8%	12.5%	29.9%
Total	Number	6,629	330	41	137	183	16	7,336
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

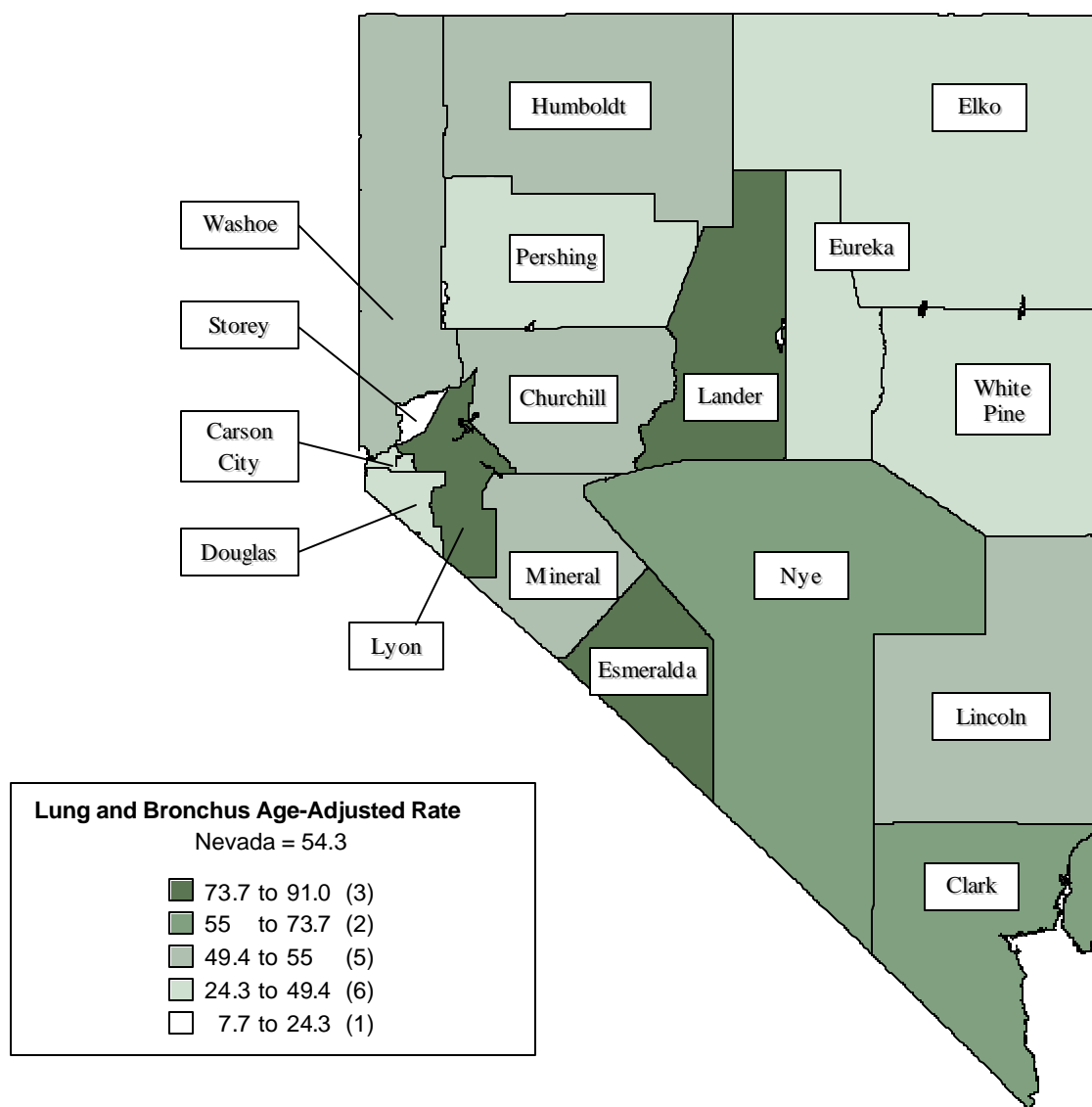
Table 49. Median Age at Diagnosis of Lung and Bronchus Cancer by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity	Gender					
	Male		Female		Total	
	Incidence	Median Age	Incidence	Median Age	Incidence	Median Age
White	3,540	69.0	3,083	69.0	6,623	69.0
Black	200	66.0	129	68.0	329	66.0
Native American	20	71.0	21	65.0	41	68.0
Asian	75	70.0	62	66.0	137	67.0
Hispanic	121	68.0	62	68.0	183	68.0
Other/Unknown	10	57.5	6	73.5	16	71.5
Total	3,966	69.0	3,363	69.0	7,329	69.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

Figure 40. Lung and Bronchus Cancer Age-Adjusted (2001) Inpatient Hospital Discharge Rates, Nevada Residents, 1997-2001



Note: Rates are per 100,000 population and age-adjusted to 2001 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical notes for more information.

Figure 41. Lung and Bronchus Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1997-2001

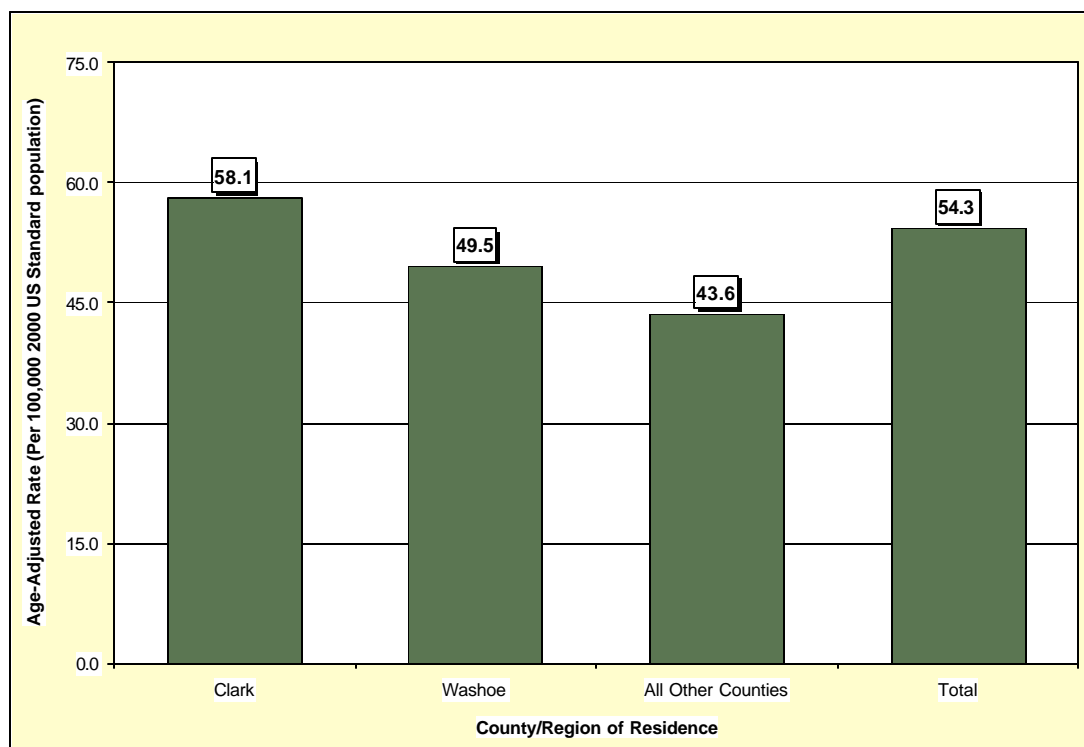


Figure 42. Median Charges for Lung and Bronchus Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

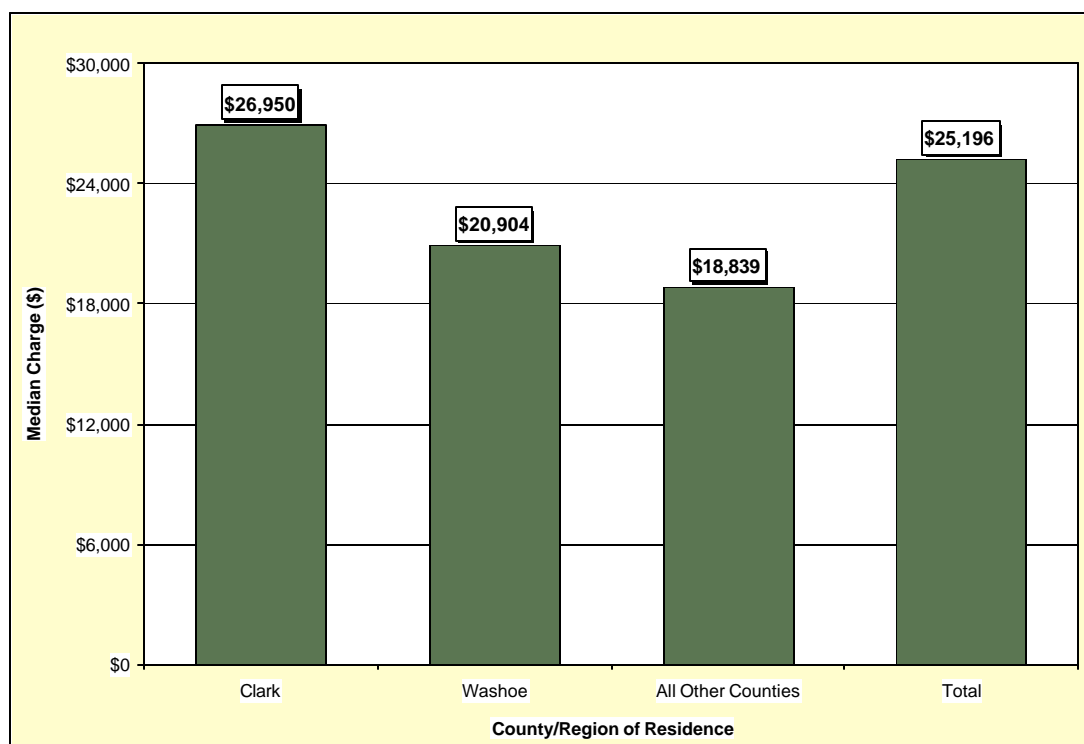


Figure 43. Average Length of Stay for Lung and Bronchus Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

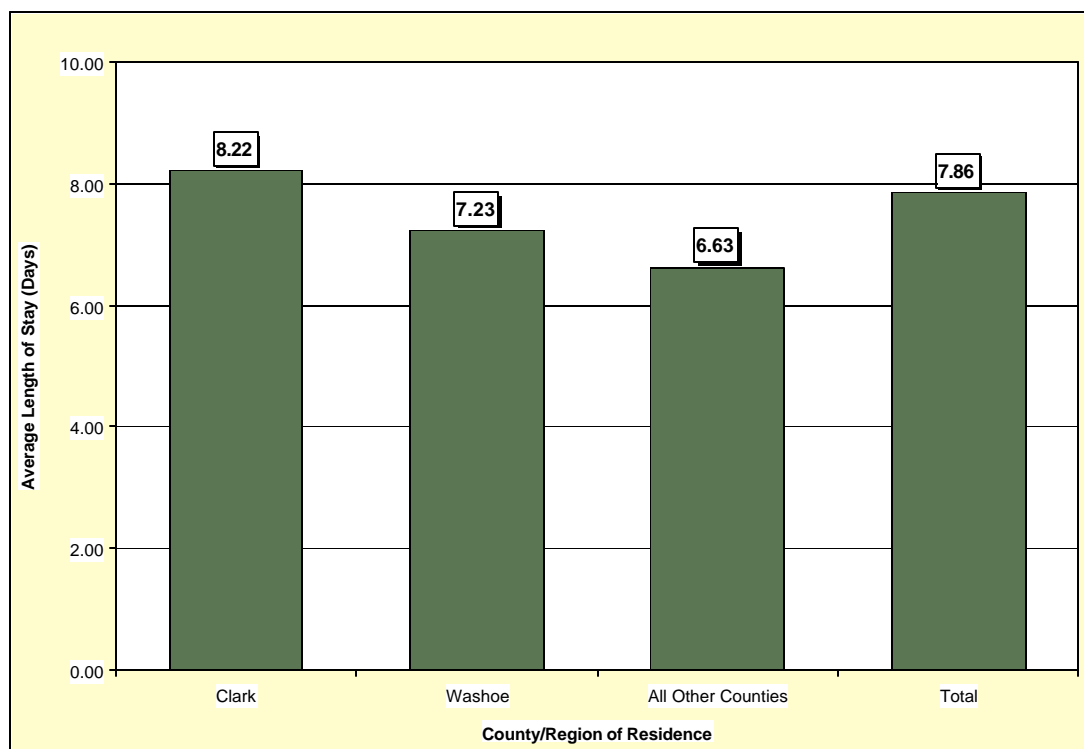


Table 50. Lung and Bronchus Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	4,965	3,562	748	654	1
Rate*	54.3	58.1	49.5	43.6	---
95% C.I.	(52.8-55.8)	(56.2-60.1)	(46.0-53.2)	(40.3-47.2)	---
Gender					
Male	2,601	1,909	341	350	1
Rate*	59.9	65.7	48.1	48.9	---
95% C.I.	(57.5-62.4)	(62.6-69.0)	(43.0-53.9)	(43.7-54.7)	---
Female	2,364	1,653	407	304	0
Rate*	49.8	51.9	51.2	39.5	---
95% C.I.	(47.8-51.9)	(49.5-54.6)	(46.3-56.4)	(35.1-44.2)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$159,839,368	\$20,217,725	\$20,217,725	\$16,409,825	\$79,089
Average Charges	\$32,193	\$34,568	\$27,029	\$25,091	\$79,089
Median Charges	\$25,196	\$26,950	\$20,904	\$18,839	\$79,089
Discharge Length of Stay (LOS) (Days)					
Total LOS	39,033	29,277	5,408	4,337	11
Average LOS	7.9	8.2	7.2	6.6	11.0
Median LOS	6.0	6.0	6.0	5.0	11.0

* Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Note: The “---” is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 51. Lung and Bronchus Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	4,965	3,562	748	654	1
Rate*	51.0	53.5	44.6	46.8	---
95% C.I.	(49.6-52.4)	(51.7-55.2)	(41.4-47.8)	(43.2-50.4)	---
Age Group					
<1	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
1-4	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
5-14	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
15-24	5	5	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
25-34	8	7	0	1	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
35-44	124	95	14	15	0
Rate*	8.0	9.1	4.9	5.3	---
95% C.I.	(6.6-9.4)	(7.3-10.9)	(2.4-7.5)	(2.6-8.0)	---
45-54	480	357	74	49	0
Rate*	37.4	42.2	31.3	20.7	---
95% C.I.	(34.0-40.7)	(37.8-46.5)	(24.2-38.4)	(14.9-26.5)	---
55-64	1,267	932	182	153	0
Rate*	138.3	149.9	121.2	101.9	---
95% C.I.	(130.7-145.9)	(140.3-159.6)	(103.6-138.9)	(85.8-118.1)	---
65-74	1,870	1,323	281	265	1
Rate*	291.2	305.9	274.1	258.5	---
95% C.I.	(278.0-304.4)	(289.4-322.4)	(242.1-306.2)	(227.4-289.6)	---
75-84	1,071	748	174	149	0
Rate*	304.9	320.3	300.9	257.7	---
95% C.I.	(286.6-323.1)	(297.3-343.2)	(256.2-345.6)	(216.3-299.0)	---
85+	140	95	23	22	0
Rate*	183.6	203.4	148.3	141.9	---
95% C.I.	(153.2-214.1)	(162.5-244.4)	(87.7-208.9)	(82.6-201.1)	---
Unknown	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The “---” is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 52. Lung and Bronchus Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	3	2	5
Rate*	---	---	---
95% C.I.	---	---	---
25-34	5	3	8
Rate*	---	---	---
95% C.I.	---	---	---
35-44	51	73	124
Rate*	6.3	9.7	8.0
95% C.I.	(4.6-8.1)	(7.5-12.0)	(6.6-9.4)
45-54	235	245	480
Rate*	36.1	38.7	37.4
95% C.I.	(31.5-40.8)	(33.8-43.5)	(34.0-40.7)
55-64	688	579	1,267
Rate*	151.2	125.5	138.3
95% C.I.	(139.9-162.5)	(115.3-135.8)	(130.7-145.9)
65-74	1,009	861	1,870
Rate*	318.3	264.7	291.2
95% C.I.	(298.7-338.0)	(247.0-282.4)	(278.0-304.4)
75-84	540	531	1,071
Rate*	340.6	275.5	304.9
95% C.I.	(311.9-369.4)	(252.0-298.9)	(286.6-323.1)
85+	70	70	140
Rate*	282.9	135.9	183.6
95% C.I.	(216.6-349.1)	(104.1-167.8)	(153.2-214.1)
Unknown	0	0	0
Total	2,601	2,364	4,965
Rate*	52.5	49.4	51.0
95% C.I.	(50.5-54.6)	(47.4-51.4)	(49.6-52.4)

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 53. Lung and Bronchus Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

County of Residence	1997-2001 Inpatient Hospital Discharges				
	Number	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	92	36.9	(29.4-44.5)	30.2	(24.3-37.3)
Churchill	62	51.4	(38.6-64.2)	52.9	(40.5-68.4)
Clark	3,562	53.5	(51.7-55.2)	58.1	(56.2-60.1)
Douglas	72	35.1	(27.0-43.2)	30.3	(23.4-39.2)
Elko	31	13.4	(8.7-18.1)	24.4	(16.0-36.3)
Esmeralda	7	---	---	---	---
Eureka	3	---	---	---	---
Humboldt	33	39.3	(25.9-52.7)	50.6	(34.1-73.8)
Lander	17	54.4	(28.5-80.2)	91.0	(51.4-151.0)
Lincoln	14	69.1	(32.9-105.3)	53.6	(29.1-99.6)
Lyon	147	86.4	(72.5-100.4)	73.7	(62.1-87.3)
Mineral	18	68.2	(36.7-99.7)	52.6	(30.7-89.2)
Nye	133	84.6	(70.2-99.0)	55.0	(45.8-66.5)
Pershing	9	---	---	---	---
Storey	2	---	---	---	---
Washoe	748	44.6	(41.4-47.8)	49.5	(46.0-53.2)
White Pine	14	33.3	(15.9-50.8)	27.0	(14.7-47.9)
Unknown	1	---	---	---	---
Total	4,965	51.0	(49.6-52.4)	54.3	(52.8-55.8)

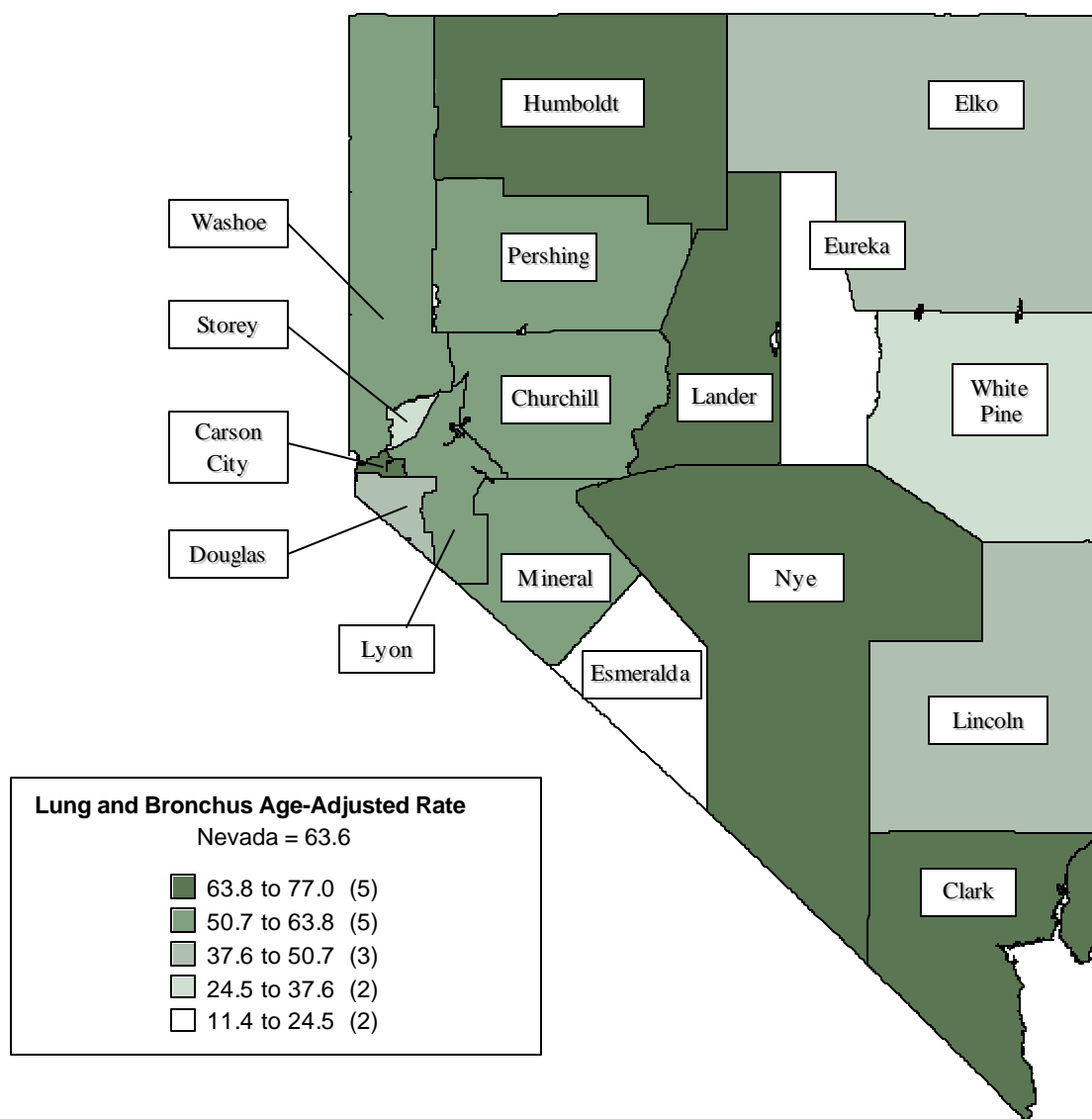
Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 54. Lung and Bronchus Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1997-2001

Age Group	Discharges	Charges (\$)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	0	---	---	---	---	---	---
1-4	0	---	---	---	---	---	---
5-14	0	---	---	---	---	---	---
15-24	5	139,302	27,860	24,201	34	6.8	4.0
25-34	8	717,499	89,687	31,627	80	10.0	7.0
35-44	124	3,367,700	27,159	21,990	911	7.3	6.0
45-54	480	14,947,683	31,141	26,808	3,858	8.0	6.0
55-64	1,267	43,958,433	34,695	26,574	10,517	8.3	6.0
65-74	1,870	61,873,412	33,087	26,117	14,549	7.8	6.0
75-84	1,071	31,475,587	29,389	22,868	8,063	7.5	6.0
85+	140	3,359,752	23,998	18,403	1,021	7.3	6.0
Unknown	0	---	---	---	---	---	---
Total	4,965	457,600	4,895	30,481	121	4,895.0	8.0

MORTALITY

**Figure 44. Lung and Bronchus Cancer Age-Adjusted (2001) Mortality Rates,
Nevada Residents, 1997-2001**



Note: Rates are per 100,000 population and age-adjusted to 2001 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 45. Lung and Bronchus Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1997-2001

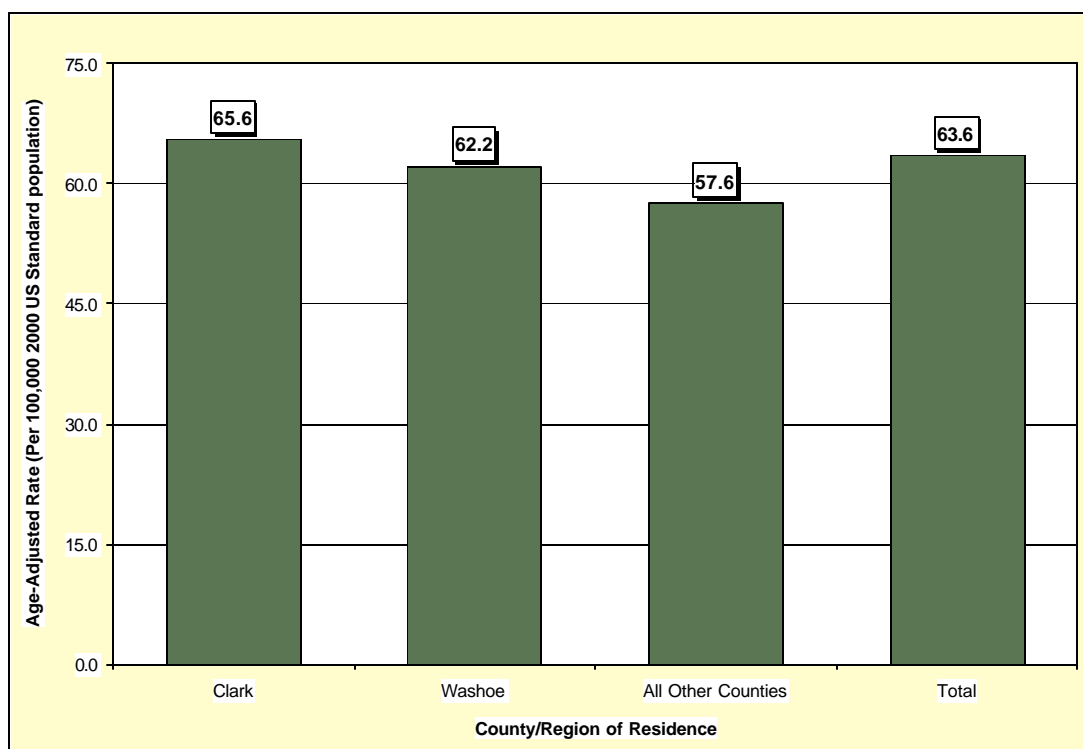


Figure 46. Lung and Bronchus Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1997-2001

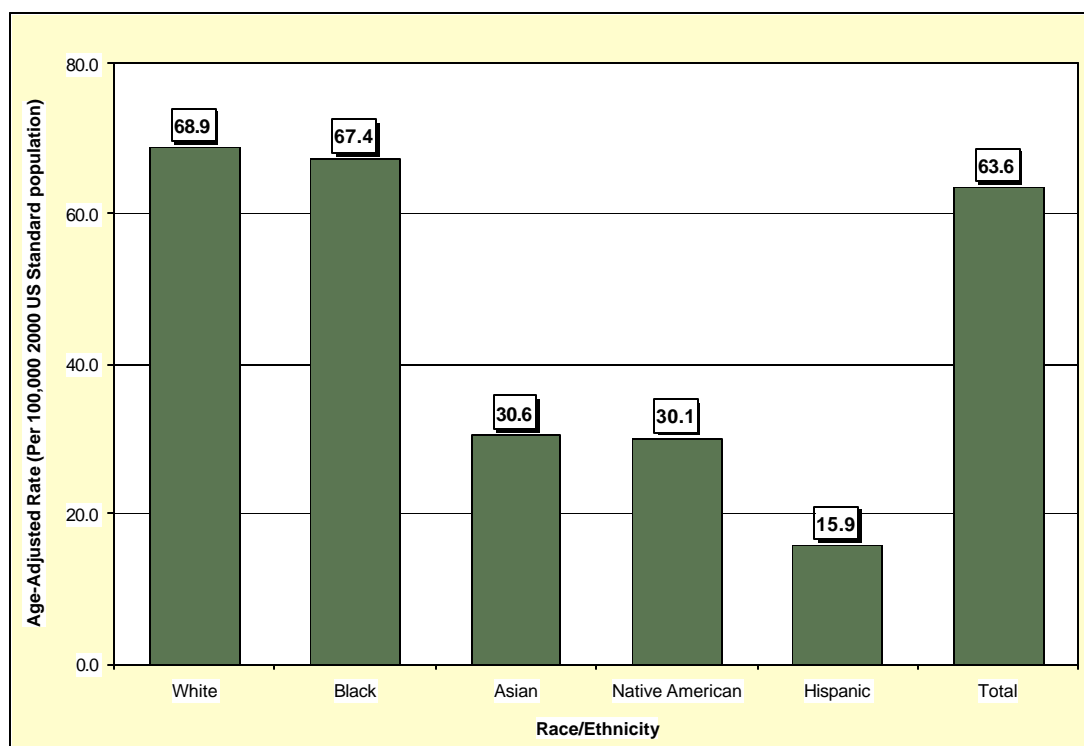


Table 55. Lung and Bronchus Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	5,582	3,823	911	848
Rate*	63.6	65.6	62.2	57.6
95% C.I.	(61.9-65.3)	(63.4-67.8)	(58.1-66.4)	(53.8-61.8)
Gender				
Male	3,125	2,146	488	491
Rate*	76.8	79.7	73.2	70.1
95% C.I.	(73.9-79.8)	(76.0-83.5)	(66.6-80.6)	(63.8-77.1)
Female	2,457	1,677	423	357
Rate*	53.1	54.5	53.9	46.9
95% C.I.	(51.0-55.2)	(51.9-57.2)	(48.9-59.3)	(42.2-52.1)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	5,091	3,403	859	829
Rate*	68.9	72.1	66.2	61.1
95% C.I.	(67.0-70.8)	(69.6-74.6)	(61.8-70.9)	(57.0-65.5)
Black	277	257	18	2
Rate*	67.4	67.3	81.7	---
95% C.I.	(59.3-76.6)	(58.9-76.9)	(47.5-133.1)	---
Native American	26	11	7	8
Rate*	30.1	33.8	---	---
95% C.I.	(19.2-46.0)	(15.9-68.0)	---	---
Asian	95	75	19	1
Rate*	30.6	31.2	37.5	---
95% C.I.	(23.2-40.7)	(22.4-43.9)	(21.4-70.0)	---
Hispanic	89	75	7	7
Rate*	15.9	17.3	---	---
95% C.I.	(12.3-20.5)	(13.1-23.0)	---	---
Other/Unknown	4	2	1	1

Note: The "—" is used for rates calculated on numbers less than ten.

*Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 56. Lung and Bronchus Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	5,582	3,823	911	848
Rate*	57.3	57.4	54.3	60.7
95% C.I.	(55.8-58.8)	(55.6-59.2)	(50.7-57.8)	(56.6-64.8)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	4	4	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	75	55	12	8
Rate*	4.8	5.3	4.2	---
95% C.I.	(3.7-5.9)	(3.9-6.6)	(1.8-6.6)	---
45-54	428	303	69	56
Rate*	33.3	35.8	29.2	27.9
95% C.I.	(30.2-36.5)	(31.8-39.8)	(22.3-36.1)	(20.6-35.2)
55-64	1,173	804	186	183
Rate*	128.0	129.4	123.9	126.7
95% C.I.	(120.7-135.4)	(120.4-138.3)	(106.1-141.7)	(108.3-145.0)
65-74	2,063	1,408	336	319
Rate*	321.2	325.5	327.8	297.6
95% C.I.	(307.4-335.1)	(308.5-342.5)	(292.7-362.8)	(264.9-330.2)
75-84	1,520	1,027	253	240
Rate*	432.7	439.7	437.5	400.6
95% C.I.	(410.9-454.5)	(412.8-466.6)	(383.6-491.4)	(350.0-451.3)
85+	316	220	54	42
Rate*	414.5	471.1	348.2	299.3
95% C.I.	(368.8-460.2)	(408.9-533.4)	(255.3-441.1)	(208.8-389.9)
Unknown	2	1	1	0

Note: The "—" is used for rates calculated on numbers less than ten.

* Rates are per 100,000 age-specific population.

Table 57. Lung and Bronchus Cancer Mortality by County of Residence, Nevada Residents, 1997-2001

County of Residence	1997-2001 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	210	84.3	(72.9-95.7)	70.1	(60.9-80.5)
Churchill	64	53.1	(40.1-66.1)	56.5	(43.4-72.8)
Clark	3,823	57.4	(55.6-59.2)	65.6	(63.4-67.8)
Douglas	115	56.1	(45.9-66.4)	47.4	(38.8-57.9)
Elko	61	26.4	(19.7-33.0)	47.6	(35.4-63.2)
Esmeralda	1	---	---	---	---
Eureka	2	---	---	---	---
Humboldt	40	47.6	(32.9-62.4)	69.3	(48.7-96.8)
Lander	14	44.8	(21.3-68.2)	76.9	(40.7-133.9)
Lincoln	12	59.2	(25.7-92.8)	43.7	(22.6-86.6)
Lyon	124	72.9	(60.1-85.7)	60.9	(50.5-73.2)
Mineral	20	75.8	(42.6-109.0)	55.4	(33.6-91.5)
Nye	151	96.1	(80.7-111.4)	66.4	(55.7-79.4)
Pershing	13	45.7	(20.9-70.5)	53.5	(28.3-94.2)
Storey	8	---	---	---	---
Washoe	911	54.3	(50.7-57.8)	62.2	(58.1-66.4)
White Pine	13	30.9	(14.1-47.8)	25.7	(13.7-46.4)
Unknown	0	---	---	---	---
Total	5,582	57.3	(55.8-58.8)	63.6	(61.9-65.3)

Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 58. Lung and Bronchus Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity		Gender		
		Male	Female	Total
White	Mortality	2,831	2,260	5,091
	Rate*	81.8	58.6	68.9
	95% C.I.	(78.6-85.1)	(56.2-61.1)	(67.0-70.8)
Black	Mortality	167	110	277
	Rate*	89.5	50.3	67.4
	95% C.I.	(74.9-107.8)	(41.1-61.3)	(59.3-76.6)
Native American	Mortality	16	10	26
	Rate*	46.7	20.5	30.1
	95% C.I.	(24.3-86.6)	(9.6-39.5)	(19.2-46.0)
Asian	Mortality	48	47	95
	Rate*	35.5	26.9	30.6
	95% C.I.	(24.2-53.5)	(17.7-41.5)	(23.2-40.7)
Hispanic	Mortality	62	27	89
	Rate*	23.9	9.2	15.9
	95% C.I.	(17.2-33.9)	(5.7-14.5)	(12.3-20.5)
Other/Unknown		1	3	4
Total	Mortality	3,125	2,457	5,582
	Rate*	76.8	53.1	63.6
	95% C.I.	(73.9-79.8)	(51.0-55.2)	(61.9-65.3)

Note: The "—" is used for rates calculated on numbers less than ten.

*Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 59. Lung and Bronchus Cancer Mortality by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	1	1
Rate*	---	---	---
95% C.I.	---	---	---
25-34	2	2	4
Rate*	---	---	---
95% C.I.	---	---	---
35-44	34	41	75
Rate*	4.2	5.5	4.8
95% C.I.	(2.8-5.6)	(3.8-7.1)	(3.7-5.9)
45-54	225	203	428
Rate*	34.6	32.0	33.3
95% C.I.	(30.1-39.1)	(27.6-36.4)	(30.2-36.5)
55-64	701	472	1,173
Rate*	154.1	102.3	128.0
95% C.I.	(142.7-165.5)	(93.1-111.6)	(120.7-135.4)
65-74	1,181	882	2,063
Rate*	372.6	271.1	321.2
95% C.I.	(351.4-393.9)	(253.3-289.0)	(307.4-335.1)
75-84	818	702	1,520
Rate*	516.0	364.2	432.7
95% C.I.	(480.6-551.4)	(337.3-391.1)	(410.9-454.5)
85+	162	154	316
Rate*	654.6	299.1	414.5
95% C.I.	(553.8-755.4)	(251.8-346.3)	(368.8-460.2)
Unknown	2	0	2
Total	3,125	2,457	5,582
Rate*	63.1	51.3	57.3
95% C.I.	(60.9-65.3)	(49.3-53.3)	(55.8-58.8)

Note: The "—" is used for rates calculated on numbers less than ten.

* Rates are per 100,000 age-specific population.

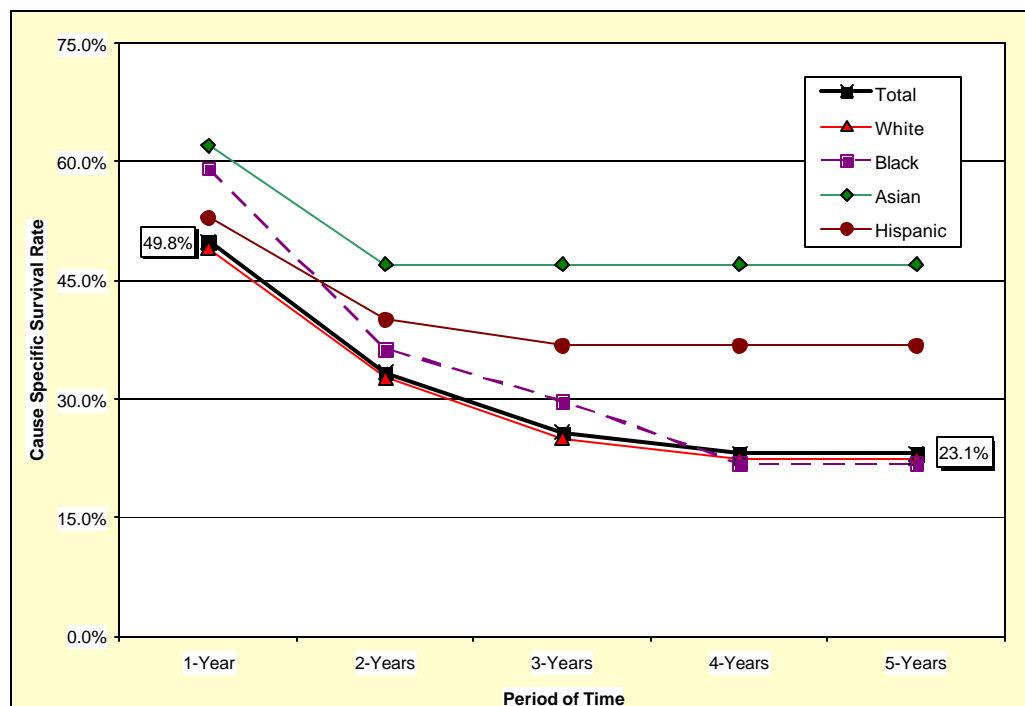
Table 60. Median Age at Death from Lung and Bronchus Cancer by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity	Gender					
	Male		Female		Total	
	Deaths	Median Age	Deaths	Median Age	Deaths	Median Age
White	2,830	70.0	2,260	71.0	5,090	70.0
Black	166	66.5	110	67.5	276	67.0
Native American	16	69.0	10	68.5	26	68.5
Asian	48	67.0	47	68.0	95	67.0
Hispanic	62	66.0	27	65.0	89	66.0
Other/Unknown	1	---	3	---	4	---
Total	3,123	70.0	2,457	70.0	5,580	70.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 47. Survival Rates for Lung and Bronchus Cancer by Race/Ethnicity, Nevada Residents, 1997-2001



Notes: The survival rate for those racial/ethnic groups not included in this chart could not be calculated due to small cell size.

Figure 48. Survival Rates for Lung and Bronchus Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1997-2001

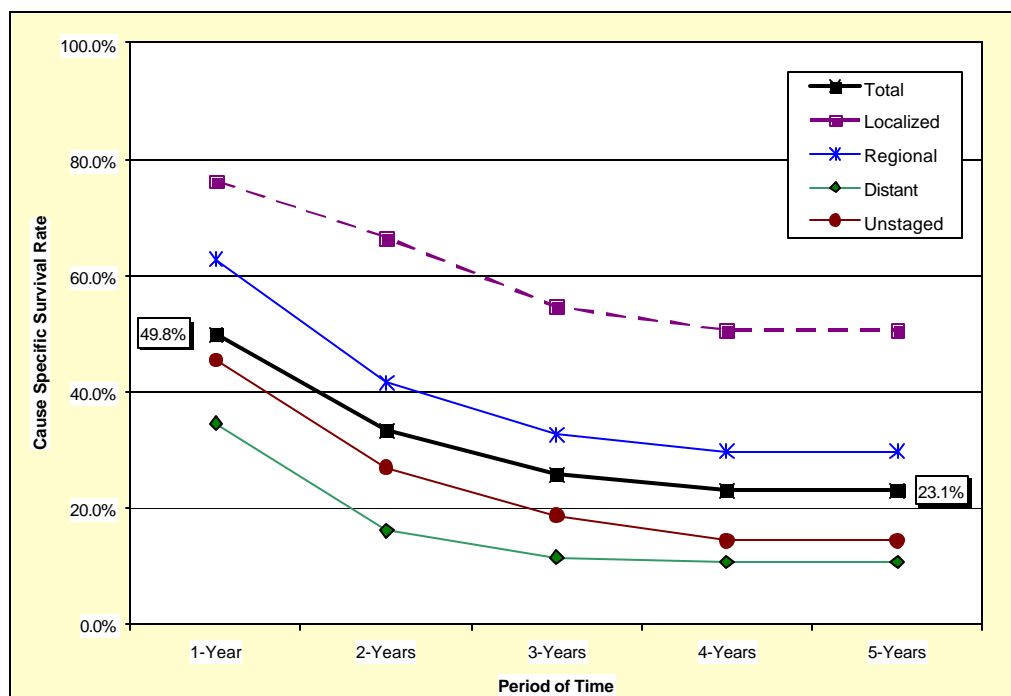


Table 61. Cause-Specific Survival Rates for Lung and Bronchus Cancer by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	5,168	49.8%	33.3%	25.8%	23.1%	23.1%	1.00
Male	2,774	47.2%	31.7%	25.9%	23.3%	23.3%	0.95
Female	2,394	52.9%	35.3%	25.7%	22.8%	22.8%	1.17
Race/Ethnicity							
White	4,642	49.1%	32.7%	25.0%	22.5%	22.5%	0.98
Male	2,451	46.5%	31.2%	25.5%	22.9%	22.9%	0.93
Female	2,191	52.0%	34.5%	24.6%	22.1%	22.1%	1.11
Black	245	59.2%	36.4%	29.8%	21.8%	21.8%	1.40
Male	151	52.7%	30.2%	21.1%	15.9%	15.9%	1.12
Female	94	70.1%	46.7%	46.7%	33.4%	33.4%	1.86
Native American	24	---	---	---	---	---	---
Male	11	---	---	---	---	---	---
Female	13	---	---	---	---	---	---
Asian	100	62.1%	47.0%	47.0%	47.0%	47.0%	1.80
Male	53	61.0%	40.7%	40.7%	---	---	1.54
Female	47	---	---	---	---	---	---
Hispanic	144	52.9%	40.1%	36.7%	36.7%	36.7%	1.23
Male	99	48.2%	38.3%	38.3%	38.3%	38.3%	0.97
Female	45	---	---	---	---	---	---

Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 62. Cause-Specific Survival Rates for Lung and Bronchus Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1997-2001

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	5,168	2,774	2,394
	One Year	49.8%	47.2%	52.9%
	5 Years	23.1%	23.3%	22.8%
	Median Survival	1.00	0.95	1.17
Stage at Diagnosis				
In situ	Cases	0	0	0
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Localized	Cases	861	443	418
	One Year	76.2%	74.3%	78.3%
	5 Years	50.6%	56.1%	44.9%
	Median Survival	>5 years	>5 years	3.22
Regional	Cases	1,038	547	491
	One Year	62.8%	63.8%	61.8%
	5 Years	29.7%	28.9%	30.8%
	Median Survival	1.61	1.57	1.66
Distant	Cases	1,887	1,046	841
	One Year	34.6%	31.0%	39.2%
	5 Years	10.8%	10.7%	11.2%
	Median Survival	0.76	0.72	0.82
Unstaged	Cases	1,382	738	644
	One Year	45.5%	42.9%	48.5%
	5 Years	14.4%	13.4%	16.1%
	Median Survival	0.92	0.88	0.97

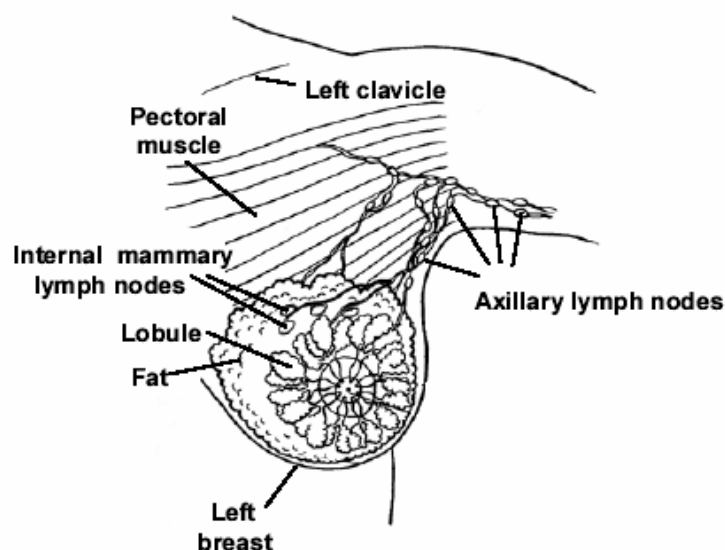
Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

BREAST CANCER

BREAST CANCER

GENERAL PROFILE⁴

Figure 49. Anatomy of the Breast⁵



General Anatomy: Each breast has 15 to 20 sections called lobes. Within each lobe are many smaller lobules, which end in dozens of tiny bulbs that can produce milk. The lobes, lobules, and bulbs are all linked by thin tubes called ducts. These ducts lead to the nipple in the center of a dark area of skin called the areola. Fat surrounds the lobules and ducts. Each breast also contains blood vessels and lymph vessels. The lymph vessels carry colorless fluid called lymph, and lead to small bean-shaped organs called lymph nodes. Clusters of lymph nodes are found near the breast in the axilla (under the arm), above the collarbone, and in the chest. Lymph nodes are also found in many other parts of the body.

Risk Factors: Personal, and/or family, history of Breast Cancer, atypical hyperplasia, lobular carcinoma in situ, prolonged levels of estrogen, later childbearing, breast density, radiation therapy, and alcohol use are all important risk factors.

Signs and Symptoms: Common signs and symptoms include: A lump or thickening in or near the breast or in the underarm area, change in the size or shape of the breast, nipple discharge or tenderness, nipple inverted into breast, ridges or pitting of the breast, and a change in the way the skin of the breast, areola, or nipple looks or feels (for example, warm, swollen, red, or scaly).

Diagnosing the Cancer: The most common ways of diagnosing Breast Cancer are: clinical breast exam, mammography, ultrasonography, fine-needle aspiration, and needle or surgical biopsy.

Treatment: Treatment options include: surgery (Lumpectomy, Segmental Mastectomy, Simple Mastectomy, and Radical Mastectomy), radiation therapy, chemotherapy, hormonal therapy, and biological therapy.

HIGHLIGHTS

- The ratio of the age-adjusted incidence rate, 135.2, to the age-adjusted mortality rate, 25.9 (per 100,000 – 2000 US Standard female population), for Female Breast Cancer was 5.22 during the 1996 to 2001 period, which means that for every 5.22 Female Breast Cancer cases there was one female death due to Breast Cancer in Nevada during this period.
- The median age at diagnosis of Breast Cancer for Nevada females was 61 years of age from 1997 to 2001. The median age at time of death due to Breast Cancer for females was 67 years.

CANCER SCREENING

- From 1997 to 2001, 93.9% of the 5,593 Nevadan females who responded had ever had a mammogram and/or a clinical breast exam to try and detect early signs of Breast Cancer.
- The percentage of women who stated their education level at less than high school, 89.8% (87.1%-92.5%), or high school, 91.3% (90.0%-92.6%), had a statistically significant lower rate of ever having had a mammogram and/or clinical breast exam than those who stated their education level at some post high school, 96.0% (95.1%-96.9%), or college graduate, 96.7% (95.7%-97.7%), during the 1996 to 2001 period.
- Those women whose age was 18 to 24 years, 80.7% (77.3%-84.1%), had the lowest statistically significant percentage of ever having a mammogram and/or a clinical breast exam of any age group surveyed from 1996 to 2001. However, those women 25 to 34 years of age also had a statistically significant lower percentage, 92.2% (90.6%-93.8%), than all other age groups surveyed.

INCIDENCE

- There were 6,420 cases of Female Breast Cancer reported in Nevada from 1997 to 2001. Regional comparisons showed that Washoe County's age-adjusted incidence rate, 154.3 (145.8-163.1), was statistically higher than the rate for Clark County, 134.4 (145.8-163.7), and the All Other Counties region, 118.0 (110.4-126.1), during this period. Nevada and all three regions had similar rates compared to the National rate, 135.2 (134.4-135.9 - per 100,000 – 2001 US Standard female population) during this period.
- Hispanic females were considerably lower than the statewide median age at time of diagnosis for Breast Cancer (61 years) with a median age of 53 years, the lowest of any racial/ethnic group. The racial/ethnic group with the highest median age at diagnosis was White females with a median age of 62 years for the 1997 to 2001 period.
- White females accounted for 88.4% of all reported Female Breast Cancer cases in Nevada from 1997 to 2001. They had a statistically significant higher rate, 76.6 (74.6-78.7), than Black females, 72.2 (64.1-81.5), Asian females, 38.0 (31.6-46.8), Hispanic

females, 28.6 (24.3-33.9), and Native American females, 18.8 (11.1-31.2), per 100,000 – 2001 US Standard population, during this period.

INPATIENT HOSPITAL DISCHARGES

- There were 2,589 female hospital inpatient discharges with a primary diagnosis of Breast Cancer from 1997 to 2001. Washoe County had the highest age-adjusted inpatient discharge rate, 56.5, for Female Breast Cancer, and was followed by Clark County and the All Other Counties region with rates of 56.4 and 45.6 (per 100,000 – 2001 US Standard female population), respectively.
- Total billed charges for hospital inpatient discharges from Breast Cancer in Nevada totaled nearly 35 million dollars from 1997 to 2001. Washoe County had the highest median total charge (\$16,328) and average length of stay (2.5 days) during this time; once regional comparisons were made.
- The overall average billed charge per day for a Breast Cancer inpatient hospital discharge in Nevada was over \$5,900 from 1996 to 2001.

MORTALITY

- There were 1,195 female deaths in Nevada due to Breast Cancer from 1997 to 2001. While Washoe County had a higher age-adjusted mortality rate for Female Breast Cancer (29.7) than Clark County (25.5) and All Other Counties (23.5), statistical analysis does not indicate a statistical difference between the three regions or the statewide rate of 25.9 (per 100,000 – 2000 US Standard female population) for this period.
- Racial/ethnic comparisons showed that Black and White females had higher age-adjusted mortality rates, 32.7 and 27.6, respectively, when compared to Asians and Hispanics who had rates of 12.1 and 12.8 (per 100,000 – 2000 US Standard female population), respectively, from 1997 to 2001.

SURVIVAL RATE

- Hispanic females in Nevada had the highest one-year survival rate (91.6%) of any racial/ethnic group for Female Breast Cancer during the 1997 to 2001 period. They were followed by Asian, White and Black females with rates of 90.5%, 88.2% and 81.4%, respectively. Hispanic females also had the highest five-year survival rate (78.5%) for Female Breast Cancer during this time, while, Asian, White and Black females followed with rates of 73.6%, 72.3% and 67.3%, respectively.
- The five-year survival rate for females diagnosed with Breast Cancer at the in situ stage was 84.7% for Nevada from 1997 to 2001. The rate for those at the localized stage was 78.0%, while those recorded at the regional, distant and unstaged stages had rates of 71.6%, 36.7% and 47.5%, respectively.

SCREENING (BRFSS)**Table 63. Female Breast Cancer Screening by County/Region of Residence, Education, Age Group, and Income, Nevada Residents, 1997-2001**

Responses	Answers						Total
	Yes			No			
	Number	Percent*	95% C.I.	Number	Percent*	95% C.I.	
Total							
Responses	5,248	93.9%	(93.3%-94.5%)	345	6.1%	(5.5%-6.7%)	5,593
County/Region of Residence							
Clark County	1,687	94.2%	(93.1%-95.3%)	110	5.8%	(4.7%-6.9%)	1,797
Washoe County	1,745	94.6%	(93.6%-95.6%)	105	5.4%	(4.4%-6.4%)	1,850
All Other Counties	1,816	92.0%	(90.8%-93.2%)	130	8.0%	(6.8%-9.2%)	1,946
Education							
Less than High School	443	89.8%	(87.1%-92.5%)	56	10.2%	(7.5%-12.9%)	499
High School	1,668	91.3%	(90.0%-92.6%)	146	8.7%	(7.4%-10.0%)	1,814
Some Post High School	1,862	96.0%	(95.1%-96.9%)	104	4.0%	(3.1%-4.9%)	1,966
College Graduate	1,264	96.7%	(95.7%-97.7%)	38	3.3%	(2.3%-4.3%)	1,302
Age Group							
18-24 years old	398	80.7%	(77.3%-84.1%)	110	19.3%	(15.9%-22.7%)	508
25-34 years old	973	92.2%	(90.6%-93.8%)	66	7.8%	(6.2%-9.4%)	1,039
35-44 years old	1,248	95.5%	(94.4%-96.6%)	59	4.5%	(3.4%-5.6%)	1,307
45-54 years old	1,031	97.8%	(96.9%-98.7%)	23	2.2%	(1.3%-3.1%)	1,054
55-64 years old	671	96.9%	(95.6%-98.2%)	21	3.1%	(1.8%-4.4%)	692
65+ years old	904	95.5%	(94.2%-96.8%)	63	4.5%	(3.2%-5.8%)	967
Income							
Less than \$15,000	582	91.1%	(88.9%-93.3%)	69	8.9%	(6.7%-11.1%)	651
\$15,000 - \$24,999	467	90.0%	(87.4%-92.6%)	59	10.0%	(7.4%-12.6%)	526
\$25,000 - \$34,999	812	93.6%	(92.0%-95.2%)	52	6.4%	(4.8%-8.0%)	864
\$35,000 - \$49,999	1,024	95.0%	(93.7%-96.3%)	40	5.0%	(3.7%-6.3%)	1,064
\$50,000 or More	1,533	96.5%	(95.6%-97.4%)	36	3.5%	(2.6%-4.4%)	1,569

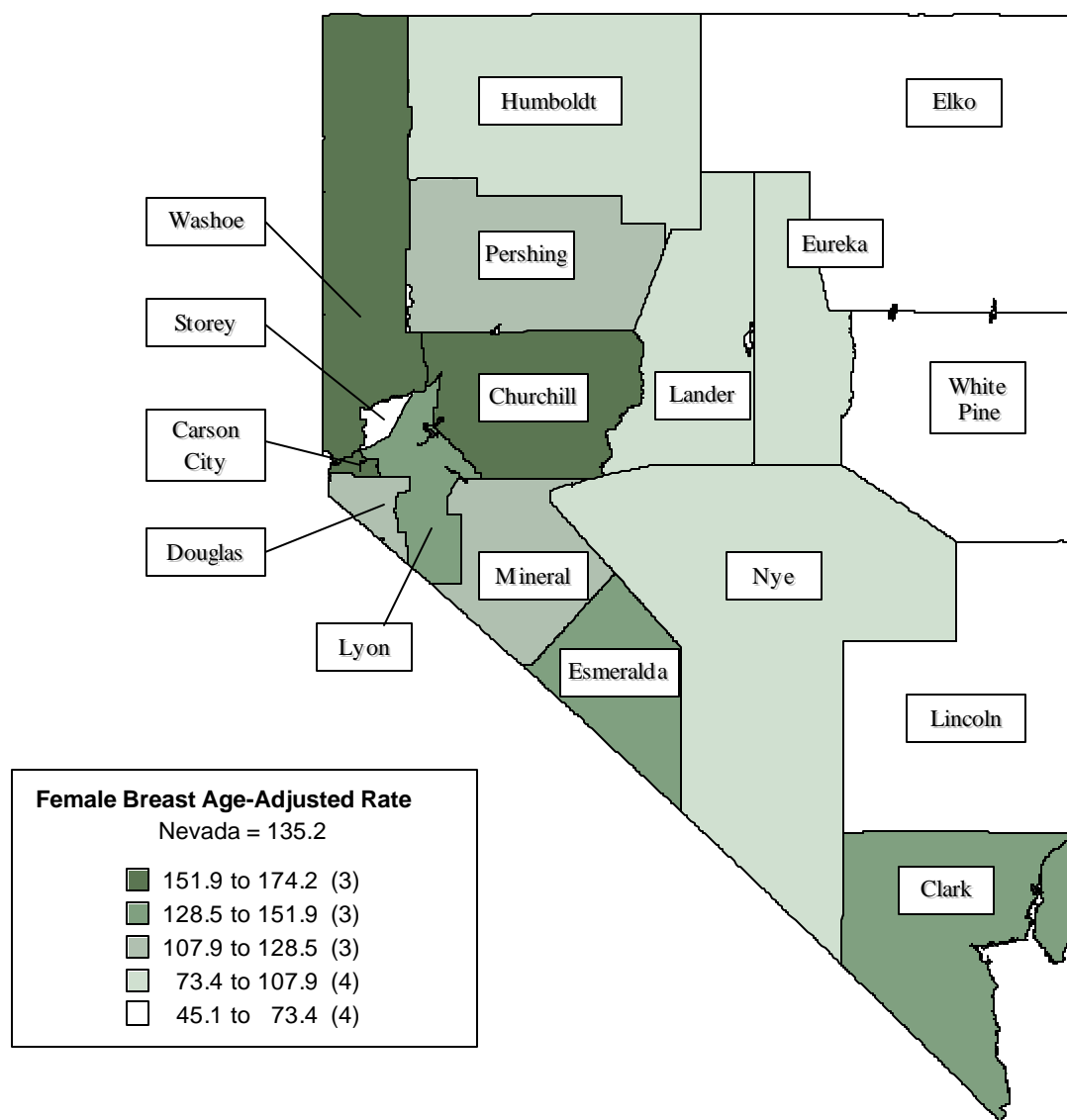
*Denominator is persons age 18-64 and excludes missing, don't know, and refused responses.

Note: This table includes those respondents who answered "Yes" or "No" to either of the following questions:

- 1) A mammogram is an x-ray of each breast to look for breast cancer. Have you ever had a mammogram?
- 2) A clinical breast exam is when a doctor, nurse, or other health professional feels the breast for lumps. Have you ever had a clinical breast exam?

INCIDENCE

Figure 50. Female Breast Cancer Age-Adjusted (2001) Incidence Rates, Nevada Residents, 1997-2001



Note: Rates are per 100,000 female population and age-adjusted to 2001 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 51. Female Breast Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1997-2001

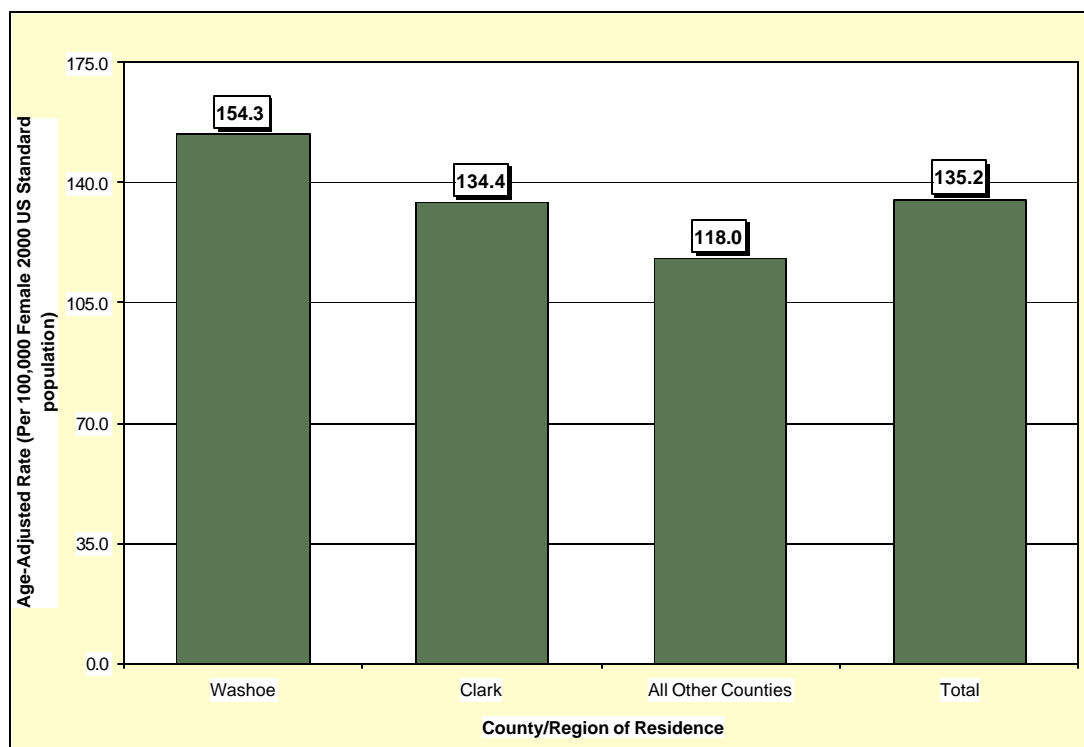


Figure 52. Female Breast Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1997-2001

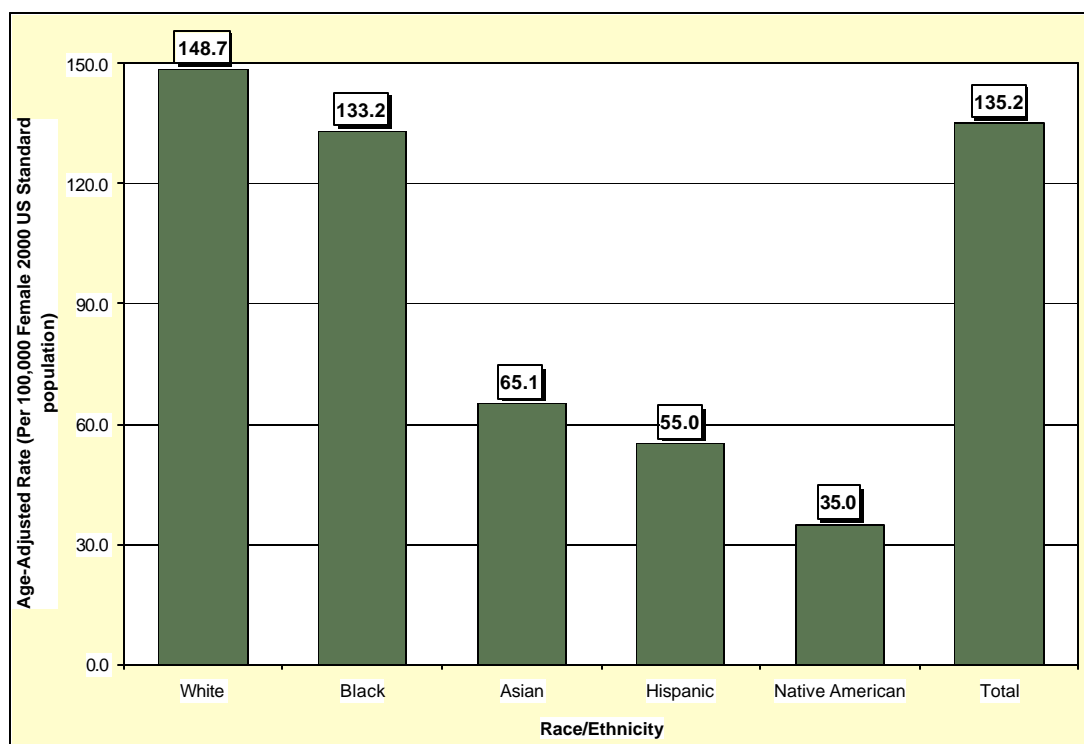


Table 64. Breast Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1997-2001)
Total						
Cases	6,493	4,314	1,269	907	3	129,844
Rate*	70.5	70.0	81.2	61.1	---	73.9
95% C.I.	(68.7-72.2)	(67.9-72.2)	(76.7-85.9)	(57.1-65.3)	---	(73.5-74.3)
Gender						
Male	73	40	15	18	0	876
Rate*	1.8	1.6	2.3	2.5	---	1.2
95% C.I.	(1.4-2.4)	(1.1-2.3)	(1.3-4.2)	(1.5-4.2)	---	(1.1-1.3)
Female	6,420	4,274	1,254	889	3	128,968
Rate*	135.2	134.4	154.3	118.0	---	135.2
95% C.I.	(131.9-138.6)	(130.3-138.5)	(145.8-163.1)	(110.4-126.1)	---	(134.4-135.9)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	5,678	3,664	1,158	853	3	107,678
Rate*	76.6	77.7	86.1	63.7	---	76.8
95% C.I.	(74.6-78.7)	(75.1-80.3)	(81.2-91.3)	(59.4-68.2)	---	(76.3-77.3)
Black	332	278	38	16	0	10,849
Rate*	72.2	64.9	153.6	194.6	---	69.2
95% C.I.	(64.1-81.5)	(56.9-74.2)	(106.6-216.7)	(110.4-323.7)	---	(67.9-70.6)
Native American	20	9	4	7	0	558
Rate*	18.8	---	---	---	---	29.2
95% C.I.	(11.1-31.2)	---	---	---	---	(26.6-26.6)
Asian	169	124	33	12	0	9,983
Rate*	38.0	33.4	48.6	83.4	---	52.8
95% C.I.	(31.6-46.8)	(27.0-43.2)	(32.3-80.2)	(35.3-193.0)	---	(51.8-53.9)
Hispanic	224	171	36	17	0	9,533
Rate*	28.6	28.1	34.2	23.7	---	48.5
95% C.I.	(24.3-33.9)	(23.3-34.3)	(22.3-54.1)	(12.7-43.4)	---	(47.5-49.6)
Other/Unknown	70	68	0	2	0	776

* Rates are per 100,000 population and age-adjusted to the 2001 US Standard population. Rates for race/ethnicity groups are per 100,000 female population and age-adjusted to the 2001 US Standard population.

Note: The "—" is used for rates calculated on numbers less than ten and SEER numbers less than five. Caution should be used when comparing rates for racial/ethnic groups to the National (SEER) rates. See Technical Notes for more information.

Table 65. Female Breast Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1997-2001)
Total						
Cases	6,493	4,314	1,269	907	3	129,844
Rate*	66.7	64.8	75.6	64.9	---	70.1
95% C.I.	(65.1-68.3)	(62.8-66.7)	(71.4-79.8)	(60.7-69.1)	---	(69.7-70.5)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	1	1	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
15-24	4	4	0	0	0	98
Rate*	---	---	---	---	---	0.4
95% C.I.	---	---	---	---	---	(0.3-0.5)
25-34	106	76	15	15	0	2,481
Rate*	7.2	7.2	5.9	9.5	---	8.5
95% C.I.	(5.8-8.6)	(5.5-8.8)	(2.9-8.9)	(4.7-14.4)	---	(8.1-8.8)
35-44	668	459	134	75	0	13,997
Rate*	42.9	43.9	47.3	33.1	---	44.8
95% C.I.	(39.7-46.2)	(39.8-47.9)	(39.3-55.3)	(25.6-40.6)	---	(44.1-45.5)
45-54	1,393	925	287	181	0	28,553
Rate*	108.5	109.3	121.4	90.1	---	124.8
95% C.I.	(102.8-114.2)	(102.2-116.3)	(107.3-135.4)	(77.0-103.3)	---	(123.3-126.2)
55-64	1,578	1,067	279	231	1	27,877
Rate*	172.2	171.7	185.9	159.9	---	199.1
95% C.I.	(163.7-180.7)	(161.4-182.0)	(164.0-207.7)	(139.3-180.5)	---	(196.8-201.4)
65-74	1,564	1,037	298	228	1	27,629
Rate*	243.5	239.8	290.7	212.7	---	239.5
95% C.I.	(231.5-255.6)	(225.2-254.4)	(257.7-323.7)	(185.1-240.3)	---	(236.7-242.3)
75-84	950	601	201	147	1	21,949
Rate*	270.4	257.3	347.6	245.4	---	302.0
95% C.I.	(253.2-287.6)	(236.8-277.9)	(299.5-395.6)	(205.7-285.1)	---	(298.0-306.0)
85+	221	142	50	29	0	7,256
Rate*	289.9	304.1	322.4	206.7	---	292.6
95% C.I.	(251.7-328.1)	(254.1-354.1)	(233.0-411.8)	(131.5-281.9)	---	(285.8-299.3)
Unknown	8	2	5	1	0	0

*Rates are per 100,000 age-specific female population.

Note: The "—" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 66. Female Breast Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1997-2001

County of Residence at Diagnosis	1997-2001 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	266	209.9	(184.7-235.2)	174.2	(153.7-197.0)
Churchill	90	149.7	(118.8-180.6)	152.0	(122.1-187.1)
Clark	4,274	130.6	(126.7-134.5)	134.4	(130.3-138.5)
Douglas	139	136.8	(114.0-159.5)	108.0	(90.6-128.8)
Elko	51	46.1	(33.5-58.8)	62.4	(45.7-84.5)
Esmeralda	4	---	---	---	---
Eureka	3	---	---	---	---
Humboldt	28	70.0	(44.0-95.9)	80.9	(52.9-120.1)
Lander	11	72.4	(29.6-115.2)	93.2	(45.1-175.2)
Lincoln	6	---	---	---	---
Lyon	139	165.7	(138.1-193.2)	143.1	(120.1-169.7)
Mineral	18	137.9	(74.2-201.5)	110.8	(64.8-185.3)
Nye	98	128.2	(102.8-153.5)	88.6	(71.4-110.1)
Pershing	15	108.7	(53.7-163.8)	116.7	(65.0-195.6)
Storey	6	---	---	---	---
Washoe	1,254	151.5	(143.1-159.9)	154.3	(145.8-163.1)
White Pine	15	71.3	(35.2-107.4)	61.7	(34.2-107.0)
Unknown	3	---	---	---	---
Total	6,420	134.1	(130.8-137.4)	135.2	(131.9-138.6)

Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 female population. **Rates are per 100,000 female population and are age-adjusted to the 2001 US Standard population.

Table 67. Breast Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity		Gender			
		Male	Female	Other/Unknown	Total
White	Incidence	66	5,612	0	5,678
	Rate*	2.0	148.7	---	76.6
	95% C.I.	(1.5-2.6)	(144.8-152.6)	---	(74.6-78.7)
Black	Incidence	4	328	0	332
	Rate*	---	133.2	---	72.2
	95% C.I.	---	(118.6-149.4)	---	(64.1-81.5)
Native American	Incidence	0	20	0	20
	Rate*	---	35.0	---	18.8
	95% C.I.	---	(20.9-56.5)	---	(11.1-31.2)
Asian	Incidence	2	167	0	169
	Rate*	---	65.1	---	38.0
	95% C.I.	---	(54.0-80.5)	---	(31.6-46.8)
Hispanic	Incidence	1	223	0	224
	Rate*	---	55.0	---	28.6
	95% C.I.	---	(47.2-64.3)	---	(24.3-33.9)
Other/Unknown		0	70	0	70
Total	Incidence	73	6,420	0	6,493
	Rate*	1.8	135.2	---	70.5
	95% C.I.	(1.4-2.4)	(131.9-138.6)	---	(68.7-72.2)

Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 female population and are age-adjusted to the 2001 US Standard population.

Table 68. Breast Cancer Cases by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender			
	Male	Female	Other/ Unknown	Total
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	1	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	4	0	4
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	1	105	0	106
Rate*	---	14.8	---	7.2
95% C.I.	---	(12.0-17.7)	---	(5.8-8.6)
35-44	4	664	0	668
Rate*	---	88.4	---	42.9
95% C.I.	---	(81.7-95.1)	---	(39.7-46.2)
45-54	9	1,384	0	1,393
Rate*	---	218.4	---	108.5
95% C.I.	---	(206.9-229.9)	---	(102.8-114.2)
55-64	17	1,561	0	1,578
Rate*	3.7	338.5	---	172.2
95% C.I.	(2.0-5.5)	(321.7-355.3)	---	(163.7-180.7)
65-74	16	1,548	0	1,564
Rate*	5.0	475.9	---	243.5
95% C.I.	(2.6-7.5)	(452.2-499.6)	---	(231.5-255.6)
75-84	22	928	0	950
Rate*	13.9	481.4	---	270.4
95% C.I.	(8.1-19.7)	(450.5-512.4)	---	(253.2-287.6)
85+	4	217	0	221
Rate*	---	421.4	---	289.9
95% C.I.	---	(365.4-477.5)	---	(251.7-328.1)
Unknown	0	8	0	8
Total	73	6,420	0	6,493
Rate*	1.5	134.1	---	66.7
95% C.I.	(1.1-1.8)	(130.8-137.4)	---	(65.1-68.3)

Note: The “---” is used for rates calculated on numbers less than ten.

* Rates are per 100,000 age-specific population.

Table 69. Breast Cancer Cases by Age Group and Stage, Nevada Residents, 1997-2001

Age Group		Stage				
		In situ	Localized	Regional	Distant	Unstaged
<1	Number	0	0	0	0	0
	Percent	---	---	---	---	---
1-4	Number	0	0	0	0	0
	Percent	---	---	---	---	---
5-14	Number	0	0	0	1	0
	Percent	---	---	---	100.0%	---
15-24	Number	0	2	1	0	1
	Percent	---	50.0%	25.0%	---	25.0%
25-34	Number	12	40	41	3	10
	Percent	11.3%	37.7%	38.7%	2.8%	9.4%
35-44	Number	85	283	220	33	47
	Percent	12.7%	42.4%	32.9%	4.9%	7.0%
45-54	Number	275	612	346	57	103
	Percent	19.7%	43.9%	24.8%	4.1%	7.4%
55-64	Number	241	743	403	77	114
	Percent	15.3%	47.1%	25.5%	4.9%	7.2%
65-74	Number	234	791	323	76	140
	Percent	15.0%	50.6%	20.7%	4.9%	9.0%
75-84	Number	99	514	185	59	93
	Percent	10.4%	54.1%	19.5%	6.2%	9.8%
85+	Number	11	101	42	8	59
	Percent	5.0%	45.7%	19.0%	3.6%	26.7%
Unknown	Number	1	4	2	1	0
	Percent	12.5%	50.0%	25.0%	12.5%	---
Total	Number	958	3,090	1,563	315	567
	Percent	14.8%	47.6%	24.1%	4.9%	8.7%

Table 70. Breast Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1997-2001

Stage		Race/Ethnicity						
		White	Black	Native American	Asian	Hispanic	Other/Unknown	Total
In situ	Number	850	34	3	27	31	13	958
	Percent	15.0%	10.2%	15.0%	16.0%	13.8%	18.6%	14.8%
Localized	Number	2,715	140	11	80	107	37	3,090
	Percent	47.8%	42.2%	55.0%	47.3%	47.8%	52.9%	47.6%
Regional	Number	1,352	97	4	44	52	14	1,563
	Percent	23.8%	29.2%	20.0%	26.0%	23.2%	20.0%	24.1%
Distant	Number	266	28	1	7	11	2	315
	Percent	4.7%	8.4%	5.0%	4.1%	4.9%	2.9%	4.9%
Unstaged	Number	495	33	1	11	23	4	567
	Percent	8.7%	9.9%	5.0%	6.5%	10.3%	5.7%	8.7%
Total	Number	5,678	332	20	169	224	70	6,493
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

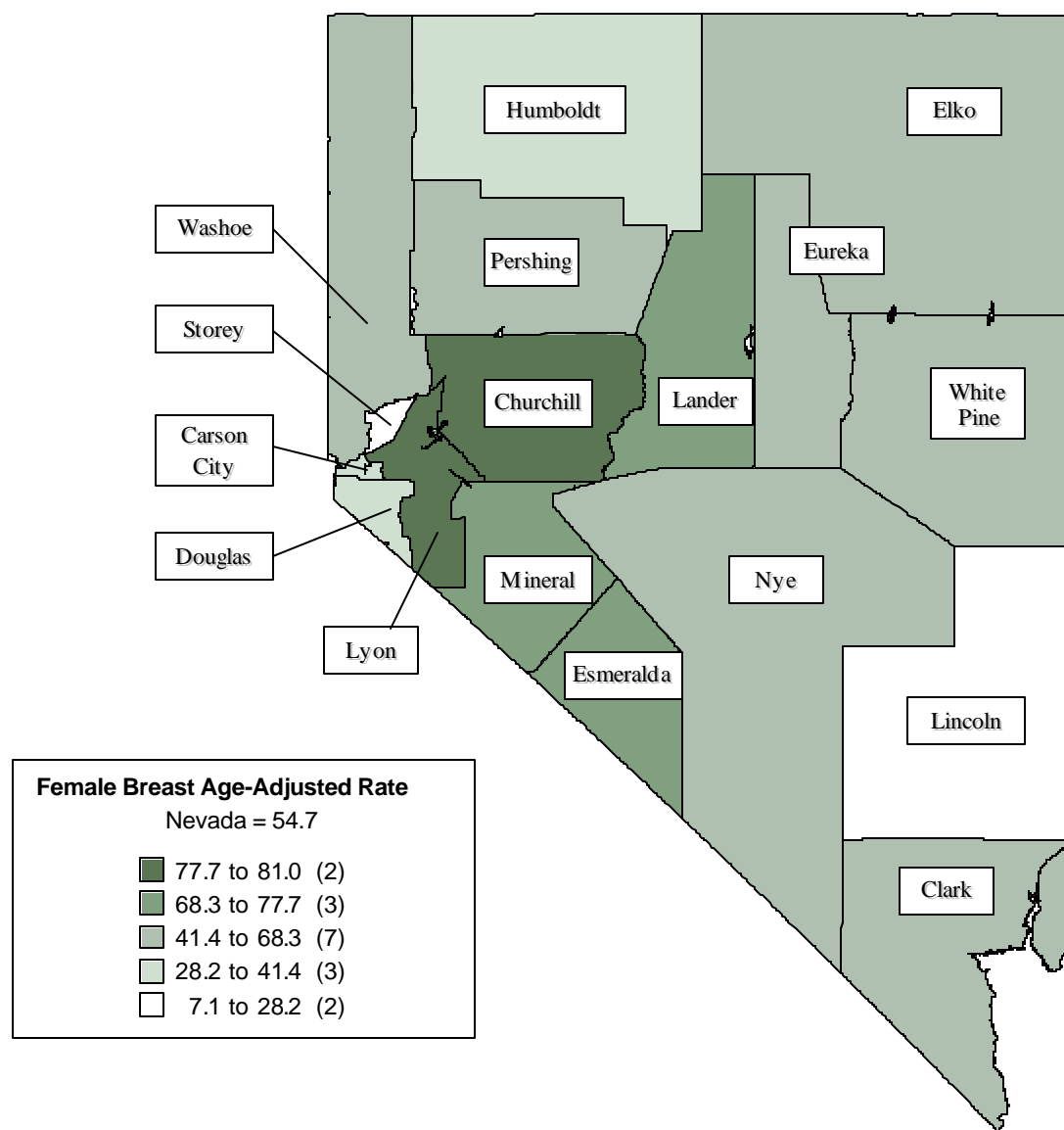
Table 71. Median Age at Diagnosis of Breast Cancer by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity	Gender					
	Male		Female		Total	
	Incidence	Median Age	Incidence	Median Age	Incidence	Median Age
White	66	67.5	5,606	62.0	5,672	62.0
Black	4	---	326	59.0	330	59.0
Native American	0	---	20	57.0	20	57.0
Asian	2	---	167	57.0	169	57.0
Hispanic	1	---	223	53.0	224	53.0
Other/Unknown	0	---	70	59.5	70	59.5
Total	73	67.0	6,412	61.0	6,485	61.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

Figure 53. Female Breast Cancer Age-Adjusted (2001) Inpatient Discharge Rates, Nevada Residents, 1997-2001



Note: Rates are per 100,000 female population and age-adjusted to 2001 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical notes for more information.

Figure 54. Female Breast Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1997-2001

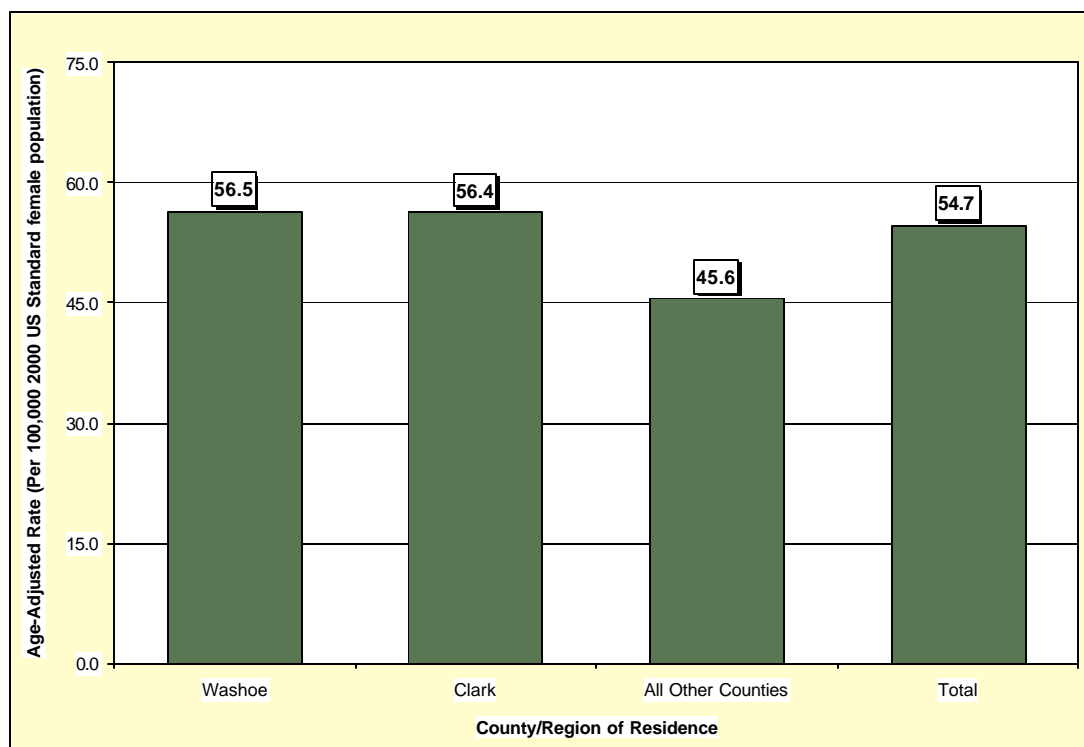


Figure 55. Median Charges for Breast Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

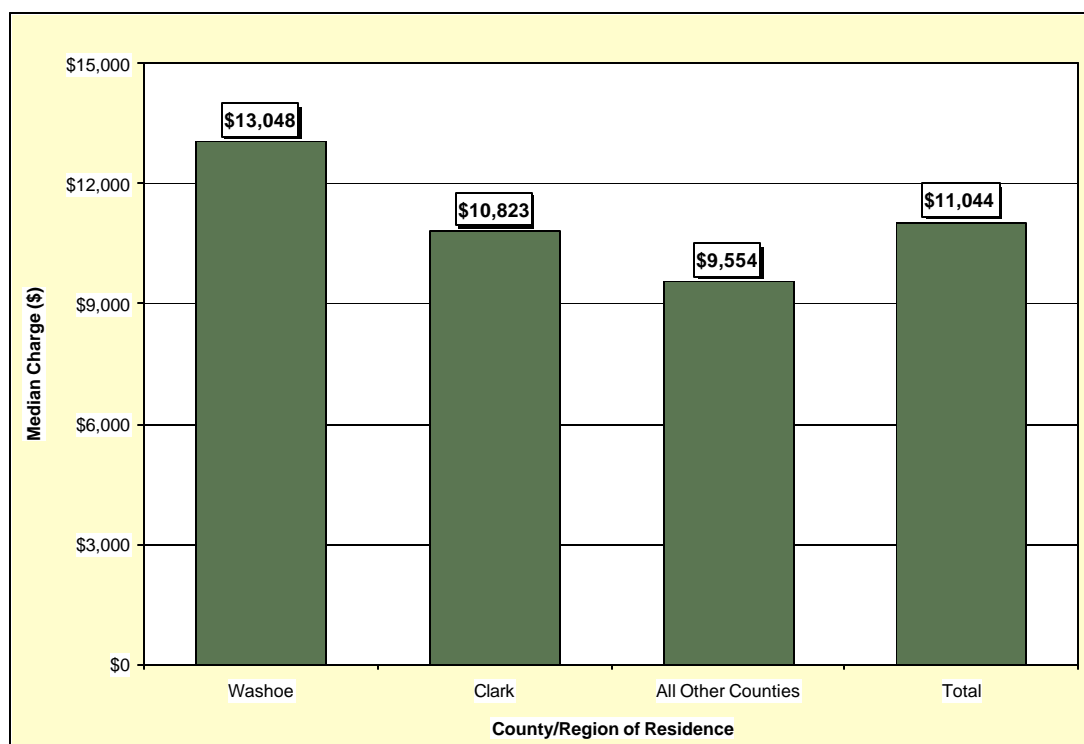


Figure 56. Average Length of Stay for Breast Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

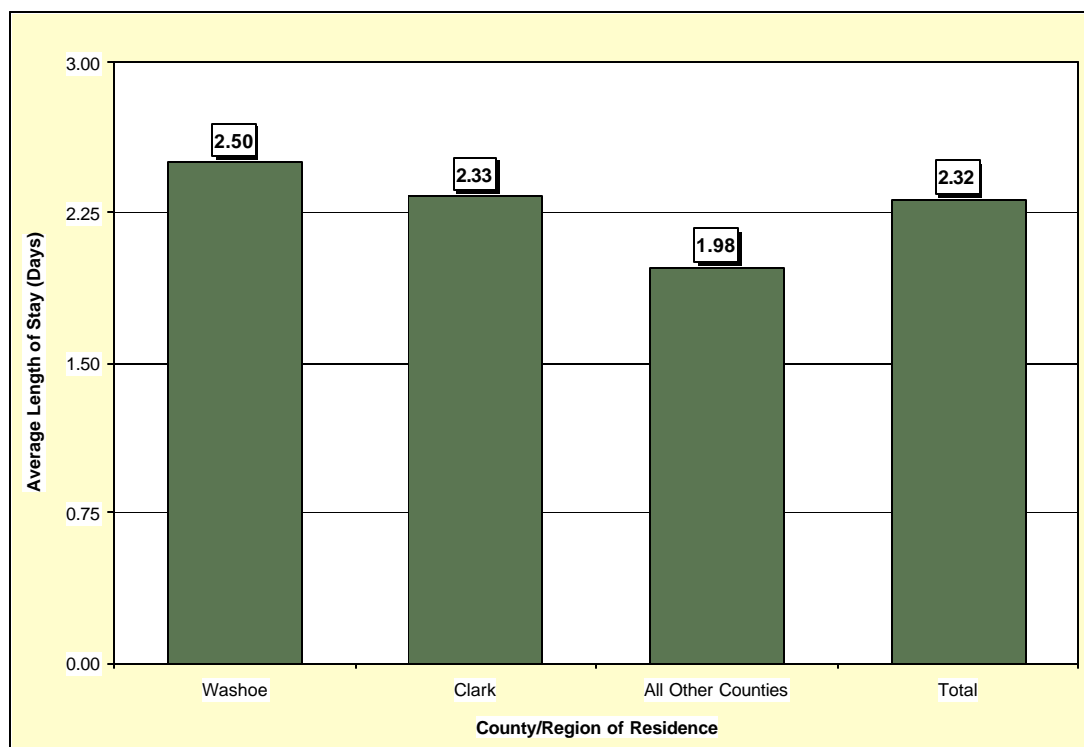


Table 72. Breast Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	2,608	1,798	464	344	2
Rate*	28.4	29.3	29.7	23.5	---
95% C.I.	(27.3-29.6)	(28.0-30.8)	(27.0-32.6)	(21.0-26.2)	---
Gender					
Male	19	11	5	3	0
Rate*	0.5	0.5	---	---	---
95% C.I.	(0.3-0.9)	(0.2-1.0)	---	---	---
Female	2,589	1,787	459	341	2
Rate*	54.7	56.4	56.5	45.6	---
95% C.I.	(52.6-56.9)	(53.8-59.1)	(51.4-61.9)	(40.8-50.7)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$35,831,623	\$24,293,930	\$7,576,291	\$3,939,010	\$22,392
Average Charges	\$13,739	\$13,512	\$16,328	\$11,451	\$11,196
Median Charges	\$11,044	\$10,823	\$13,048	\$9,554	\$11,196
Discharge Length of Stay (LOS) (Days)					
Total LOS	6,043	4,198	1,162	680	---
Average LOS	2.3	2.3	2.5	2.0	---
Median LOS	1.0	1.0	2.0	1.0	---

* Rates are per 100,000 female population and are age-adjusted to the 2001 US Standard population.

Note: The “---” is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 73. Female Breast Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Cases	2,589	1,787	459	341	2
Rate*	54.1	54.6	55.5	49.6	---
95% C.I.	(52.0-56.2)	(52.1-57.1)	(50.4-60.5)	(44.3-54.9)	---
Age Group					
<1	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
1-4	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
5-14	2	2	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
15-24	1	1	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
25-34	51	36	10	5	0
Rate*	7.2	7.1	8.1	---	---
95% C.I.	(5.2-9.2)	(4.8-9.4)	(3.1-13.2)	---	---
35-44	291	201	55	35	0
Rate*	38.8	40.2	39.6	31.1	---
95% C.I.	(34.3-43.2)	(34.7-45.8)	(29.2-50.1)	(20.8-41.5)	---
45-54	521	370	91	60	0
Rate*	82.2	88.2	78.6	60.9	---
95% C.I.	(75.2-89.3)	(79.2-97.2)	(62.5-94.8)	(45.5-76.3)	---
55-64	609	432	106	69	2
Rate*	132.1	136.5	143.4	97.5	---
95% C.I.	(121.6-142.5)	(123.6-149.4)	(116.1-170.7)	(74.5-120.5)	---
65-74	608	411	105	92	0
Rate*	186.9	187.7	199.1	171.8	---
95% C.I.	(172.1-201.8)	(169.5-205.8)	(161.0-237.1)	(136.7-206.9)	---
75-84	415	274	74	67	0
Rate*	215.3	215.0	223.9	207.8	---
95% C.I.	(194.6-236.0)	(189.5-240.4)	(172.9-274.9)	(158.0-257.5)	---
85+	91	60	18	13	0
Rate*	176.7	188.3	168.7	145.1	---
95% C.I.	(140.4-213.0)	(140.6-235.9)	(90.8-246.7)	(66.2-224.0)	---
Unknown	0	0	0	0	0

* Rates are per 100,000 female age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 74. Breast Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	2	2
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	1	1
Rate*	---	---	---
95% C.I.	---	---	---
25-34	0	51	51
Rate*	---	7.2	3.5
95% C.I.	---	(5.2-9.2)	(2.5-4.4)
35-44	2	291	293
Rate*	---	38.8	18.8
95% C.I.	---	(34.3-43.2)	(16.7-21.0)
45-54	2	521	523
Rate*	---	82.2	40.7
95% C.I.	---	(75.2-89.3)	(37.2-44.2)
55-64	1	609	610
Rate*	---	132.1	66.6
95% C.I.	---	(121.6-142.5)	(61.3-71.9)
65-74	2	608	610
Rate*	---	186.9	95.0
95% C.I.	---	(172.1-201.8)	(87.4-102.5)
75-84	11	415	426
Rate*	6.9	215.3	121.3
95% C.I.	(2.8-11.0)	(194.6-236.0)	(109.8-132.8)
85+	1	91	92
Rate*	---	176.7	120.7
95% C.I.	---	(140.4-213.0)	(96.0-145.3)
Unknown	0	0	0
Total	19	2,589	2,608
Rate*	0.4	54.1	26.8
95% C.I.	(0.2-0.6)	(52.0-56.2)	(25.8-27.8)

* Rates are per 100,000 female age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 75. Female Breast Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

County of Residence	1997-2001 Inpatient Hospital Discharges				
	Number	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	49	19.7	(14.2-25.2)	17.4	(12.8-23.2)
Churchill	46	38.1	(27.1-49.2)	39.9	(29.2-53.8)
Clark	1,798	27.0	(25.7-28.2)	29.3	(28.0-30.8)
Douglas	38	18.5	(12.6-24.4)	14.6	(10.3-20.7)
Elko	31	13.4	(8.7-18.1)	20.7	(13.6-31.3)
Esmeralda	2	---	---	---	---
Eureka	2	---	---	---	---
Humboldt	11	13.1	(5.4-20.8)	16.1	(7.7-31.6)
Lander	8	---	---	---	---
Lincoln	2	---	---	---	---
Lyon	78	45.9	(35.7-56.0)	41.8	(32.9-52.7)
Mineral	11	41.7	(17.1-66.3)	37.3	(18.4-71.9)
Nye	48	30.5	(21.9-39.2)	22.2	(16.2-30.6)
Pershing	6	---	---	---	---
Storey	1	---	---	---	---
Washoe	464	27.6	(25.1-30.2)	29.7	(27.0-32.6)
White Pine	11	26.2	(10.7-41.7)	21.9	(10.9-41.8)
Unknown	2	---	---	---	---
Total	2,608	26.8	(25.8-27.8)	28.4	(27.3-29.6)

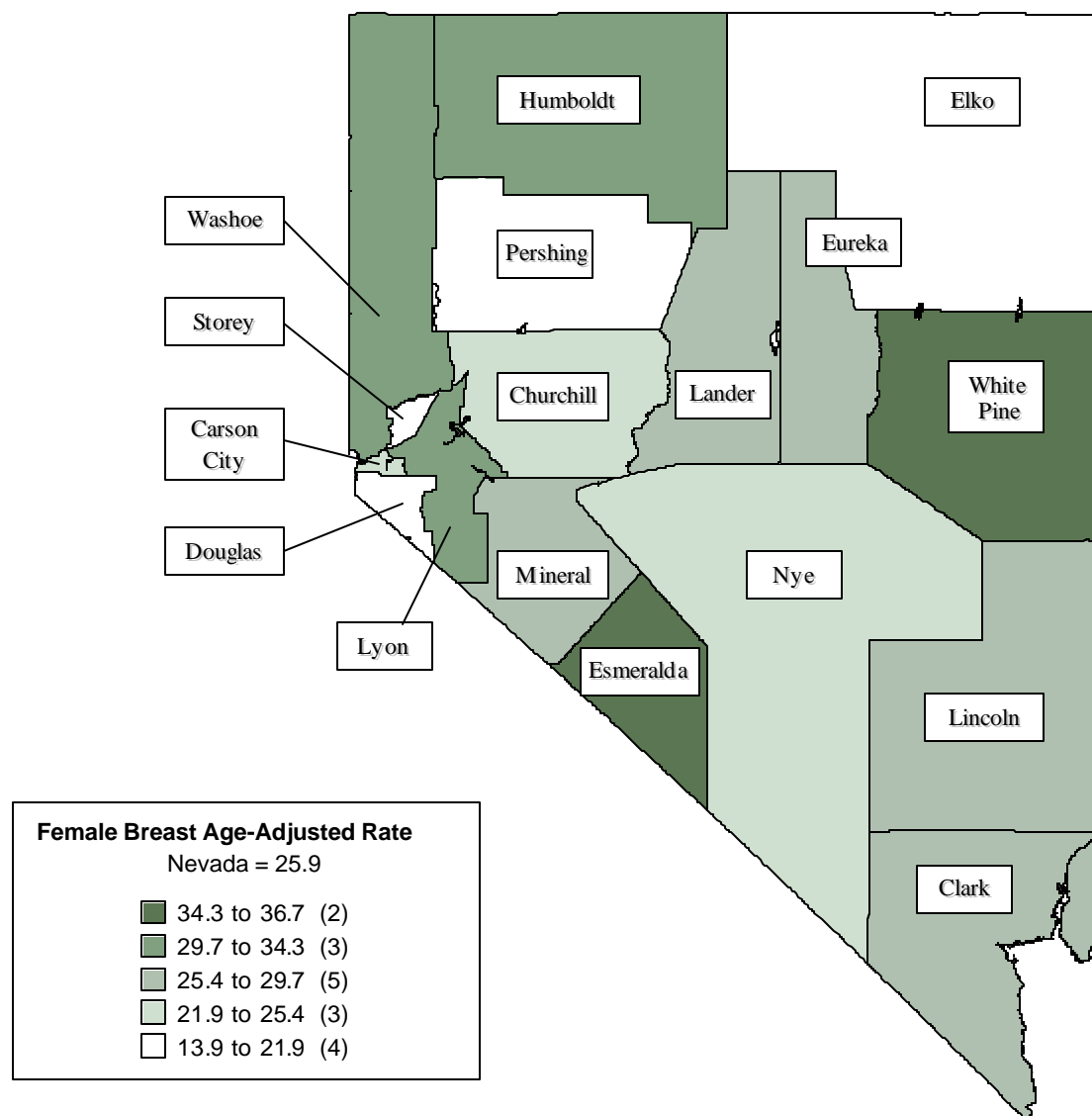
Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 female population. **Rates are per 100,000 female population and are age-adjusted to the 2001 US Standard population.

Table 76. Breast Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1997-2001

Age Group	Discharges	Charges (\$)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	0	---	---	---	---	---	---
1-4	0	---	---	---	---	---	---
5-14	2	---	---	---	---	---	---
15-24	1	---	---	---	---	---	---
25-34	51	771,798	15,133	12,555	119	2.3	2.0
35-44	293	4,985,175	17,014	12,491	776	2.6	2.0
45-54	523	8,035,169	15,364	12,714	1,230	2.4	2.0
55-64	610	8,371,715	13,724	11,210	1,374	2.3	1.0
65-74	610	7,393,485	12,120	10,264	1,197	2.0	1.0
75-84	426	5,093,712	11,957	9,960	1,047	2.5	1.0
85+	92	1,142,837	12,422	9,555	295	3.2	2.0
Unknown	0	---	---	---	---	---	---
Total	2,608	203,562	2,542	13,636	64	2,542.0	2.4

MORTALITY

Figure 57. Female Breast Cancer Age-Adjusted (2001) Mortality Rates, Nevada Residents, 1997-2001



Note: Rates are per 100,000 female population and age-adjusted to 2001 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 58. Female Breast Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1997-2001

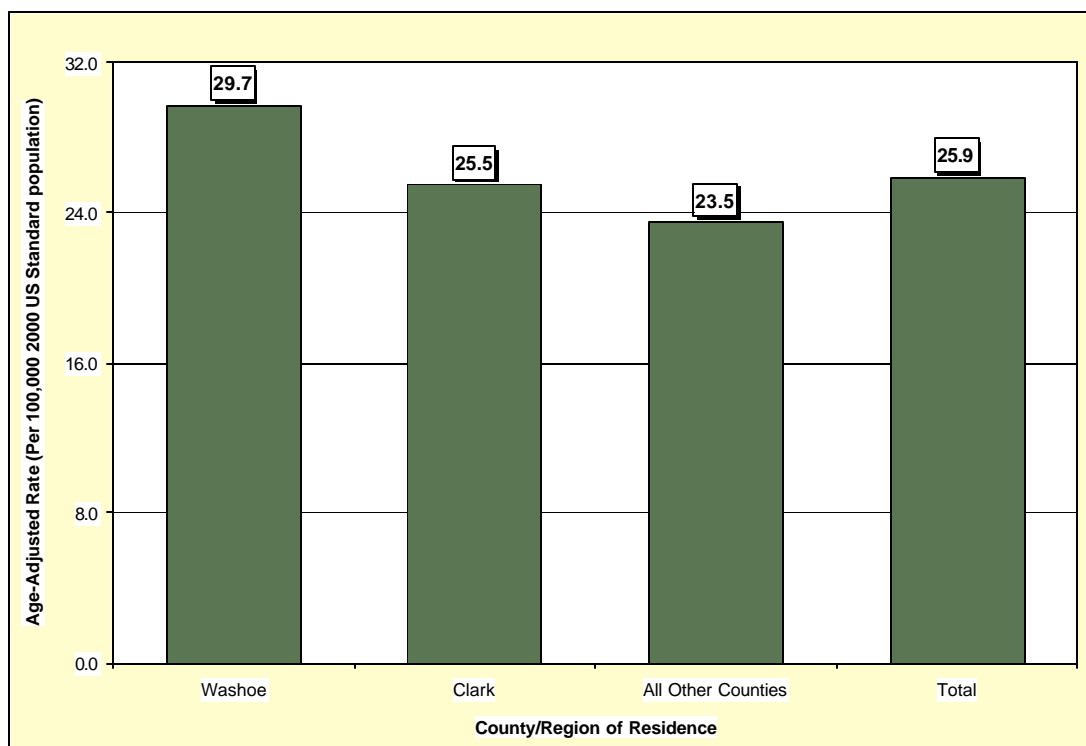


Figure 59. Female Breast Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1997-2001

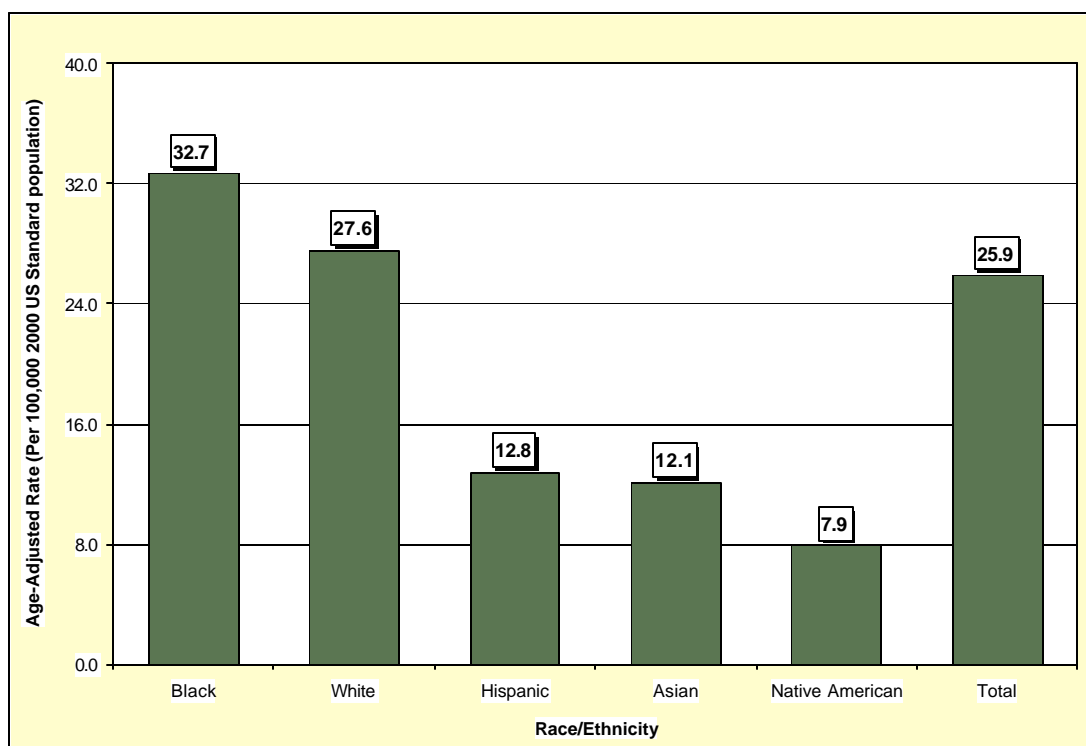


Table 77. Breast Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	1,195	785	236	174
Rate*	14.0	13.8	16.2	12.5
95% C.I.	(13.2-14.9)	(12.8-14.9)	(14.2-18.5)	(10.7-14.6)
Gender				
Male	13	10	1	2
Rate*	0.3	0.4	---	---
95% C.I.	(0.2-0.7)	(0.2-0.9)	---	---
Female	1,182	775	235	172
Rate*	25.9	25.5	29.7	23.5
95% C.I.	(24.4-27.4)	(23.7-27.4)	(26.0-33.8)	(20.1-27.4)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	1,037	647	222	168
Rate*	14.8	14.4	17.4	13.3
95% C.I.	(13.9-15.7)	(13.3-15.6)	(15.2-19.9)	(11.3-15.5)
Black	77	72	3	2
Rate*	18.7	19.3	---	---
95% C.I.	(14.4-24.3)	(14.6-25.3)	---	---
Native American	5	3	1	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	27	24	2	1
Rate*	7.0	7.8	---	---
95% C.I.	(3.9-13.2)	(4.0-15.9)	---	---
Hispanic	49	39	8	2
Rate*	6.7	6.8	---	---
95% C.I.	(4.7-9.9)	(4.5-10.7)	---	---
Other/Unknown	0	0	0	0

* Rates are per 100,000 population and age-adjusted to the 2001 US Standard population. Rates for race/ethnicity groups are per 100,000 female population and age-adjusted to the 2001 US Standard population.

Note: The "—" is used for rates calculated on numbers less than ten.

Table 78. Female Breast Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Cases	1,182	775	235	172	0
Rate*	24.7	23.7	28.4	25.0	---
95% C.I.	(23.3-26.1)	(22.0-25.3)	(24.8-32.0)	(21.3-28.8)	---
Age Group					
<1	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
1-4	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
5-14	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
15-24	1	1	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
25-34	6	5	0	1	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
35-44	91	62	19	10	0
Rate*	12.1	12.4	13.7	8.9	---
95% C.I.	(9.6-14.6)	(9.3-15.5)	(7.5-19.9)	(3.4-14.4)	---
45-54	194	124	38	32	0
Rate*	30.6	29.6	32.8	32.5	---
95% C.I.	(26.3-34.9)	(24.4-34.8)	(22.4-43.3)	(21.2-43.7)	---
55-64	246	163	48	35	0
Rate*	53.3	51.5	64.9	49.5	---
95% C.I.	(46.7-60.0)	(43.6-59.4)	(46.6-83.3)	(33.1-65.8)	---
65-74	269	188	46	35	0
Rate*	82.7	85.9	87.2	65.4	---
95% C.I.	(72.8-92.6)	(73.6-98.1)	(62.0-112.4)	(43.7-87.0)	---
75-84	254	158	57	39	0
Rate*	131.8	124.0	172.5	120.9	---
95% C.I.	(115.6-148.0)	(104.6-143.3)	(127.7-217.2)	(83.0-158.9)	---
85+	121	74	27	20	0
Rate*	235.0	232.2	253.1	223.3	---
95% C.I.	(193.1-276.9)	(179.3-285.1)	(157.6-348.6)	(125.4-321.1)	---
Unknown	0	0	0	0	0

* Rates are per 100,000 female age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten.

Table 79. Female Breast Cancer Mortality by County of Residence, Nevada Residents, 1997-2001

County of Residence	1997-2001 Mortality				
	Deaths	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	39	30.8	(21.1-40.4)	24.8	(17.6-34.5)
Churchill	13	21.6	(9.9-33.4)	22.0	(11.7-38.0)
Clark	775	23.7	(22.0-25.3)	25.5	(23.7-27.4)
Douglas	18	17.7	(9.5-25.9)	13.9	(8.2-23.6)
Elko	11	9.9	(4.1-15.8)	14.8	(7.0-28.8)
Esmeralda	1	---	---	---	---
Eureka	1	---	---	---	---
Humboldt	11	27.5	(11.2-43.7)	31.3	(15.3-58.7)
Lander	4	---	---	---	---
Lincoln	3	---	---	---	---
Lyon	30	35.8	(23.0-48.5)	32.9	(22.1-47.7)
Mineral	4	---	---	---	---
Nye	25	32.7	(19.9-45.5)	23.8	(15.1-37.3)
Pershing	2	---	---	---	---
Storey	1	---	---	---	---
Washoe	235	28.4	(24.8-32.0)	29.7	(26.0-33.8)
White Pine	9	---	---	---	---
Unknown	0	---	---	---	---
Total	1,182	24.7	(23.3-26.1)	25.9	(24.4-27.4)

Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 female population. **Rates are per 100,000 female population and are age-adjusted to the 2001 US Standard population.

Table 80. Breast Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity		Gender		
		Male	Female	Total
White	Mortality	11	1,026	1,037
	Rate*	0.3	27.6	14.8
	95% C.I.	(0.1-0.6)	(25.9-29.3)	(13.9-15.7)
Black	Mortality	2	75	77
	Rate*	---	32.7	18.7
	95% C.I.	---	(25.4-41.8)	(14.4-24.3)
Native American	Mortality	0	5	5
	Rate*	---	---	---
	95% C.I.	---	---	---
Asian	Mortality	0	27	27
	Rate*	---	12.1	7.0
	95% C.I.	---	(6.8-23.1)	(3.9-13.2)
Hispanic	Mortality	0	49	49
	Rate*	---	12.8	6.7
	95% C.I.	---	(9.1-18.1)	(4.7-9.9)
Other/Unknown		0	0	0
Total	Mortality	13	1,182	1,195
	Rate*	0.3	25.9	14.0
	95% C.I.	(0.2-0.7)	(24.4-27.4)	(13.2-14.9)

Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 81. Breast Cancer Mortality by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	1	1
Rate*	---	---	---
95% C.I.	---	---	---
25-34	0	6	6
Rate*	---	---	---
95% C.I.	---	---	---
35-44	1	91	92
Rate*	---	12.1	5.9
95% C.I.	---	(9.6-14.6)	(4.7-7.1)
45-54	1	194	195
Rate*	---	30.6	15.2
95% C.I.	---	(26.3-34.9)	(13.1-17.3)
55-64	4	246	250
Rate*	---	53.3	27.3
95% C.I.	---	(46.7-60.0)	(23.9-30.7)
65-74	2	269	271
Rate*	---	82.7	42.2
95% C.I.	---	(72.8-92.6)	(37.2-47.2)
75-84	4	254	258
Rate*	---	131.8	73.4
95% C.I.	---	(115.6-148.0)	(64.5-82.4)
85+	1	121	122
Rate*	---	235.0	160.0
95% C.I.	---	(193.1-276.9)	(131.6-188.4)
Unknown	0	0	0
Total	13	1,182	1,195
Rate*	0.3	24.7	12.3
95% C.I.	(0.1-0.4)	(23.3-26.1)	(11.6-13.0)

Note: The "—" is used for rates calculated on numbers less than ten.

* Rates are per 100,000 age-specific population.

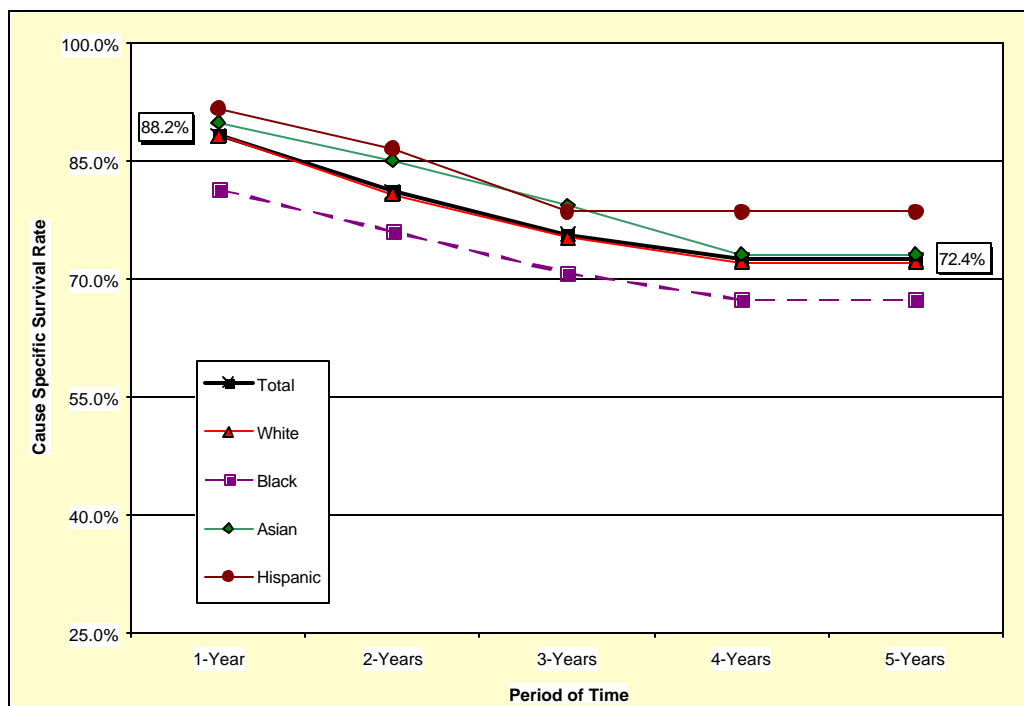
Table 82. Median Age at Death from Breast Cancer by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity	Gender					
	Male		Female		Total	
	Deaths	Median Age	Deaths	Median Age	Deaths	Median Age
White	11	67.0	1,026	68.0	1,037	68.0
Black	2	---	75	62.0	77	62.0
Native American	0	---	5	59.0	5	59.0
Asian	0	---	27	55.0	27	55.0
Hispanic	0	---	49	55.0	49	55.0
Other/Unknown	0	---	0	---	0	---
Total	13	67.0	1,182	67.0	1,195	67.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 60. Survival Rates for Breast Cancer by Race/Ethnicity, Nevada Residents, 1997-2001



Notes: The survival rate for those racial/ethnic groups not included in this chart could not be calculated due to small cell size.

Figure 61. Survival Rates for Breast Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1997-2001

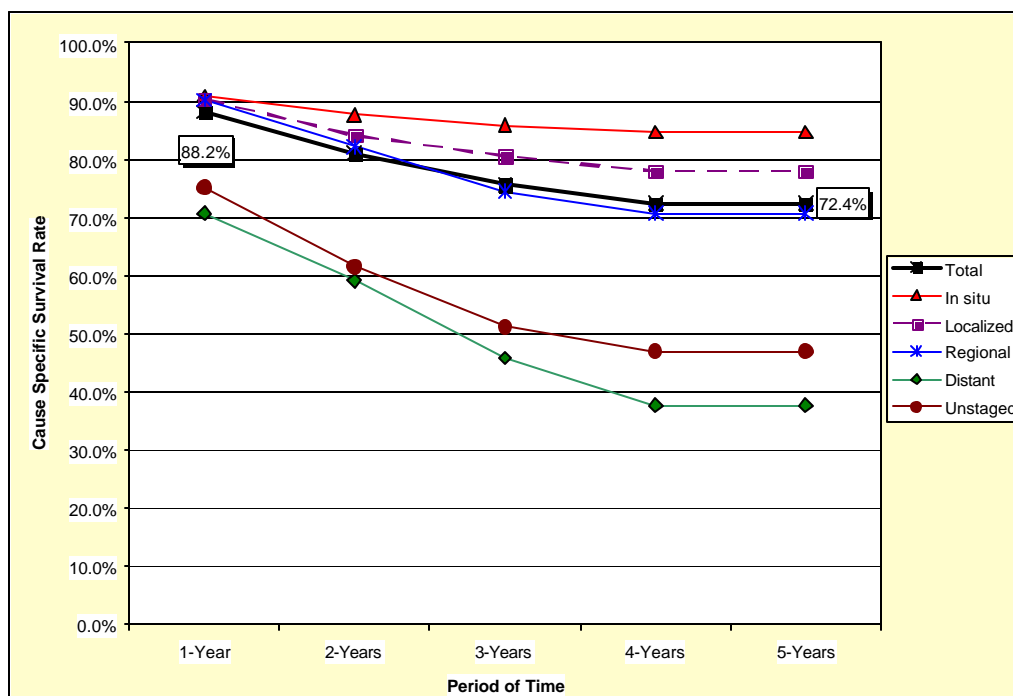


Table 83. Cause-Specific Survival Rates for Breast Cancer by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	5,293	88.2%	81.0%	75.6%	72.4%	72.4%	>5 years
Male	60	86.4%	72.7%	72.7%	53.3%	53.3%	>5 years
Female	5,233	88.2%	81.1%	75.6%	72.7%	72.7%	>5 years
Race/Ethnicity							
White	4,598	88.2%	80.7%	75.2%	72.0%	72.0%	>5 years
Male	54	89.7%	74.4%	74.4%	54.5%	54.5%	>5 years
Female	4,544	88.2%	80.7%	75.2%	72.3%	72.3%	>5 years
Black	272	81.3%	75.9%	70.7%	67.3%	67.3%	>5 years
Male	4	---	---	---	---	---	---
Female	268	81.4%	76.0%	70.7%	67.3%	67.3%	>5 years
Native American	12	---	---	---	---	---	---
Male	0	---	---	---	---	---	---
Female	12	---	---	---	---	---	---
Asian	155	89.8%	85.0%	79.3%	73.0%	73.0%	>5 years
Male	2	---	---	---	---	---	---
Female	153	90.5%	85.7%	80.0%	73.6%	73.6%	>5 years
Hispanic	187	91.6%	86.5%	78.5%	78.5%	78.5%	>5 years
Male	0	---	---	---	---	---	---
Female	187	91.6%	86.5%	78.5%	78.5%	78.5%	>5 years

Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 84. Cause-Specific Survival Rates for Breast Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1997-2001

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	5,293	60	5,233
	One Year	88.2%	86.4%	88.2%
	5 Years	72.4%	53.3%	72.7%
	Median Survival	>5 years	>5 years	>5 years
Stage at Diagnosis				
In situ	Cases	796	4	792
	One Year	90.9%	---	90.8%
	5 Years	84.7%	---	84.7%
	Median Survival	>5 years	---	>5 years
Localized	Cases	2,537	34	2,503
	One Year	90.3%	---	90.4%
	5 Years	77.9%	---	78.0%
	Median Survival	>5 years	---	>5 years
Regional	Cases	1,306	16	1,290
	One Year	90.2%	---	90.2%
	5 Years	70.7%	---	71.6%
	Median Survival	>5 years	---	>5 years
Distant	Cases	251	3	248
	One Year	70.6%	---	70.3%
	5 Years	37.7%	---	36.7%
	Median Survival	2.68	---	2.64
Unstaged	Cases	403	3	400
	One Year	75.1%	---	75.2%
	5 Years	47.0%	---	47.5%
	Median Survival	3.28	---	3.41

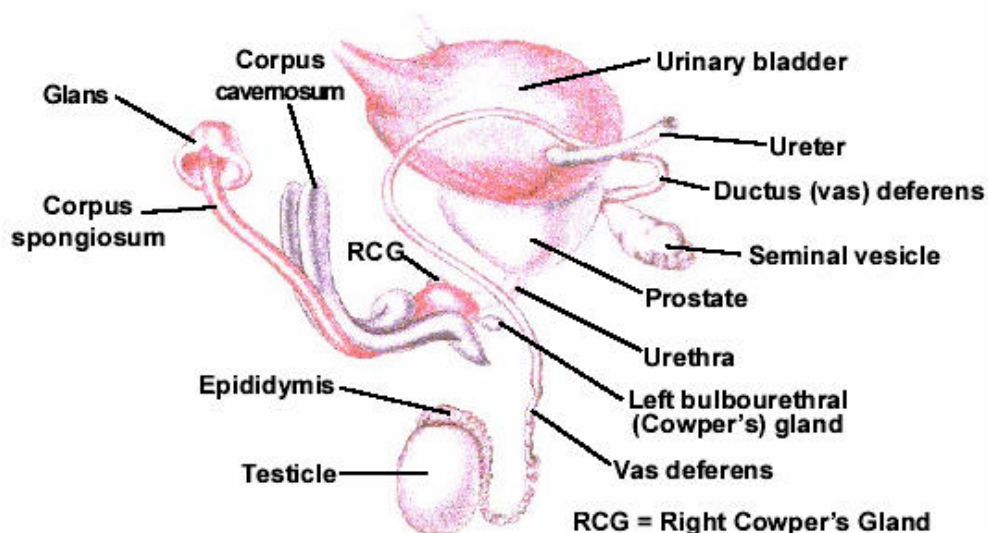
Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

PROSTATE CANCER

PROSTATE CANCER

GENERAL PROFILE⁴

Figure 62. Anatomy of the Male Urogenital System⁵



General Anatomy: The prostate is a gland in a man's reproductive system. It makes and stores seminal fluid, a milky fluid that nourishes sperm. This fluid is released to form part of semen. The prostate is about the size of a walnut. It is located below the bladder and in front of the rectum. It surrounds the upper part of the urethra, the tube that empties urine from the bladder. If the prostate grows too large, the flow of urine can be slowed or stopped. To work properly, the prostate needs male hormones (androgens), which are responsible for male sex characteristics. The main male hormone is testosterone, which is made mainly by the testicles. Some male hormones are produced in small amounts by the adrenal glands.

Risk Factors: Age, family history of Prostate Cancer, race, and dietary factors are all important risk factors for Prostate Cancer.

Signs and Symptoms: A need to urinate frequently, especially at night, difficulty starting urination or holding back urine, inability to urinate, weak or interrupted flow of urine, painful or burning urination, difficulty in having an erection, painful ejaculation, blood in urine or semen, or frequent pain or stiffness in the lower back, hips, or upper thighs.

Diagnosing the Cancer: Digital rectal exam, blood test for prostate-specific antigen (PSA test), transrectal ultrasonography, intravenous pyelogram, and cystoscopy.

Treatment: Treatment options include: watchful waiting, surgery (prostatectomy, orchiectomy), radiation therapy, and hormonal therapy.

HIGHLIGHTS

- The ratio of the age-adjusted incidence rate, 125.7, to the age-adjusted mortality rate, 29.2 (per 100,000 – 2000 US Standard male population) for Prostate Cancer, was 4.30 during the 1996 to 2001 period, which means that for every 4.30 cancer cases there was one death due to Prostate Cancer in Nevada during this period.
- The median age at diagnosis of Prostate Cancer was 68 years of age for Nevada residents from 1997 to 2001. The median age at time of death due to Prostate Cancer was 77 years. Black males had the lowest median age at time of diagnosis of Prostate Cancer (66 years) and the largest difference (9 years) between the median age at diagnosis and median age at time of death (75 years) during this period.
- Native American males had the highest median age at diagnosis of Prostate Cancer (70 years).

CANCER SCREENING

- Of the 815 men in Nevada who were surveyed in 1997, 1999 and 2001, 82.1% responded yes to ever having a Prostate-Specific Antigen (PSA) test and/or a digital rectal exam to try and detect early signs of Prostate Cancer.
- The percentage of men who stated their education level as high school had the lowest percentage (77.1%) of those ever having a PSA test and/or a digital rectal exam, while those who stated their education level as a college graduate had the highest percentage (90.3%).
- Those men whose income was either less than \$15,000 or more than \$50,000 a year had the highest percentage of respondents who stated that they had ever received a PSA test or a digital rectal exam with percentages of 80.8% and 84.8%, respectively.

INCIDENCE

- Nevada's Prostate Cancer age-adjusted incidence rate, 125.7 (122.1-129.4), demonstrated statistical significance in being lower than the 1997-2001 National rate of 172.3 (171.4-173.3) (per 100,000 – 2000 US Standard male population) during this period.
- There were 5,337 resident Prostate Cancer cases reported in Nevada from 1997 to 2001. Statistically significant tests show that Washoe County had the highest age-adjusted incidence rate of cancer once regional comparisons were made, with a rate of 151.0 (141.6-161.0). The All Other Counties region and Clark County followed with rates of 123.9 (115.5-133.0) and 119.8 (115.5-124.3) (per 100,000 population – 2000 US Standard population), respectively.
- Racial/ethnic comparisons showed that Blacks and Whites, as racial/ethnic groups, had the highest statistically significant age-adjusted incidence rates for Prostate Cancer with

rates of 75.8 (67.4-85.3) and 61.6 (59.9-63.5), respectively, of all racial/ethnic groups. Asians, Hispanics and Native Americans, followed with rates of 23.5 (17.4-32.4), 31.3 (126.3-37.3) and 25.5 (15.8-40.1), respectively from 1997 to 2001.

INPATIENT HOSPITAL DISCHARGES

- There were 2,536 hospital inpatient discharges for Prostate Cancer among Nevada Residents from 1997 to 2001, with an age-adjusted inpatient discharge rate of 56.0 (per 100,000 – 2000 US Standard male population). The ‘All Other Counties’ region had the highest cancer age-adjusted inpatient discharge rate, 56.9, once regional comparisons were made, and was followed by Washoe County and Clark County with rates of 56.2 and 55.8, respectively.
- Total billed charges for hospital inpatient discharges due to Prostate Cancer in Nevada totaled nearly 52 million dollars from 1997 to 2001. Nevadans in the 55-74 year age group accounted for 75.1% of the total number of inpatient discharges and 78.9% of the total billed charges.
- Washoe County had a considerably higher median total billed charge for Prostate Cancer inpatient discharges (\$24,134) than Clark County (\$21,206) and All Other Counties (\$16,000) from 1997 to 2001.
- The overall average billed charge per day for a hospital inpatient discharge due to Prostate Cancer was just over \$5,781 in Nevada from 1997 to 2001.

MORTALITY

- There were 922 resident deaths due to Prostate Cancer in Nevada from 1997 to 2001. While Washoe County had the highest age-adjusted mortality rate from Prostate Cancer, 33.7, statistical analysis does not show statistical significance over the rates for Nevada overall, Clark County or All Other Counties, who had rates of 29.2, 28.4 and 27.0, respectively.
- Racial/ethnic comparisons showed that Blacks and Whites, as racial/ethnic groups, had the highest cancer age-adjusted mortality rates of 20.8 and 12.3, respectively, of all racial/ethnic groups. They were followed by Hispanics and Asians who had age-adjusted mortality rates of 7.0 and 5.0 (per 100,000 – 2000 US Standard male population), respectively, from 1997 to 2001.

SURVIVAL RATE

- The one-year survival rate for Prostate Cancer in Nevada was 85.6% during the 1997 to 2001 period, while the five-year survival rate was 65.6% during this same period. The median survival rate for Prostate Cancer in Nevada was greater than five years.
- The one-year survival rate for those diagnosed with Prostate Cancer at the localized stage was 89.4%, while those diagnosed at the regional, distant and unstaged stages had rates of 82.0%, 75.0% and 73.3%, respectively.

- The five-year survival rate for those diagnosed with Prostate Cancer at the localized stage was 76.3%, while those recorded at the regional, distant and unstaged stages had rates of 64.4%, 23.0% and 41.5%, respectively.
- Those diagnosed with Prostate Cancer at the distant stage had a significantly lower median survival rate than those at all other stages with a rate of 2.15 years compared to over five years for the localized and regional stages.

SCREENING (BRFSS)**Table 85. Prostate Cancer Screening by County/Region of Residence, Education, Age Group, and Income, Nevada Residents, 1997, 1999 and 2001**

Responses	Answers						
	Yes			No			Total
	Number	Percent*	95% C.I.	Number	Percent*	95% C.I.	
Total							
Responses	686	82.1%	(79.5%-84.7%)	129	17.9%	(15.3%-20.5%)	815
County/Region of Residence							
Clark County	216	79.7%	(74.9%-84.5%)	55	20.3%	(15.5%-25.1%)	271
Washoe County	213	85.7%	(81.4%-90.0%)	37	14.3%	(10.0%-18.6%)	250
All Other Counties	257	88.5%	(84.9%-92.1%)	37	11.5%	(7.9%-15.1%)	294
Education							
Less than High School	39	77.1%	(65.2%-89.0%)	9	22.9%	(11.0%-34.8%)	48
High School	173	69.2%	(63.2%-75.2%)	54	30.8%	(24.8%-36.8%)	227
Some Post High School	216	83.3%	(78.7%-87.9%)	38	16.7%	(12.1%-21.3%)	254
College Graduate	256	90.3%	(86.9%-93.7%)	37	9.7%	(6.3%-13.1%)	293
Age Group							
18-24 years old	0	---	---	0	---	---	0
25-34 years old	0	---	---	0	---	---	0
35-44 years old	103	61.3%	(53.4%-69.2%)	44	38.7%	(30.8%-46.6%)	147
45-54 years old	202	78.0%	(72.9%-83.1%)	54	22.0%	(16.9%-27.1%)	256
55-64 years old	175	90.8%	(86.8%-94.8%)	21	9.2%	(5.2%-13.2%)	196
65+ years old	206	94.0%	(90.8%-97.2%)	10	6.0%	(2.8%-9.2%)	216
Income							
Less than \$15,000	47	80.8%	(70.9%-90.7%)	14	19.2%	(9.3%-29.1%)	61
\$15,000 - \$24,999	40	74.0%	(62.0%-86.0%)	11	26.0%	(14.0%-38.0%)	51
\$25,000 - \$34,999	64	72.5%	(62.9%-82.1%)	19	27.5%	(17.9%-37.1%)	83
\$35,000 - \$49,999	120	74.8%	(67.8%-81.8%)	26	25.2%	(18.2%-32.2%)	146
\$50,000 or More	313	84.8%	(81.1%-88.5%)	41	15.2%	(11.5%-18.9%)	354

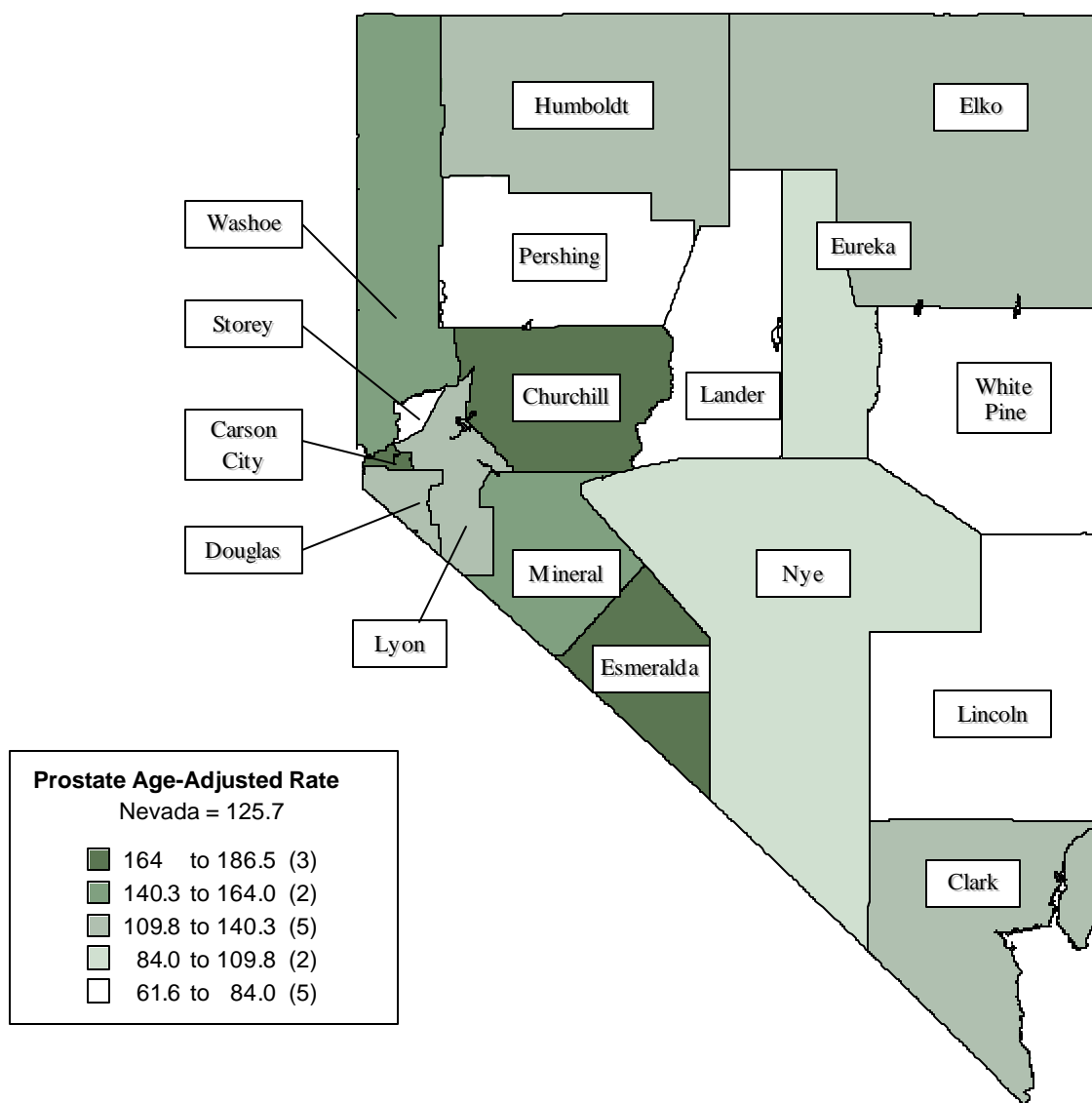
*Denominator is persons age 18-64 and excludes missing, don't know, and refused responses.

Note: This table includes those respondents who answered "Yes" or "No" to either of the following questions:

- 1) A Prostate-Specific Antigen test, also called a PSA test, is a blood test used to check men for prostate cancer. Have you ever had a PSA test?
- 2) A digital rectal exam is an exam in which a doctor, nurse, or other health professional places a gloved finger into the rectum to feel the size, and hardness of the prostate gland. Have you ever had a digital rectal exam?

INCIDENCE

Figure 63. Prostate Cancer Age-Adjusted (2001) Incidence Rates, Nevada Residents, 1997-2001



Note: Rates are per 100,000 male population and age-adjusted to 2001 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 64. Prostate Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1997-2001

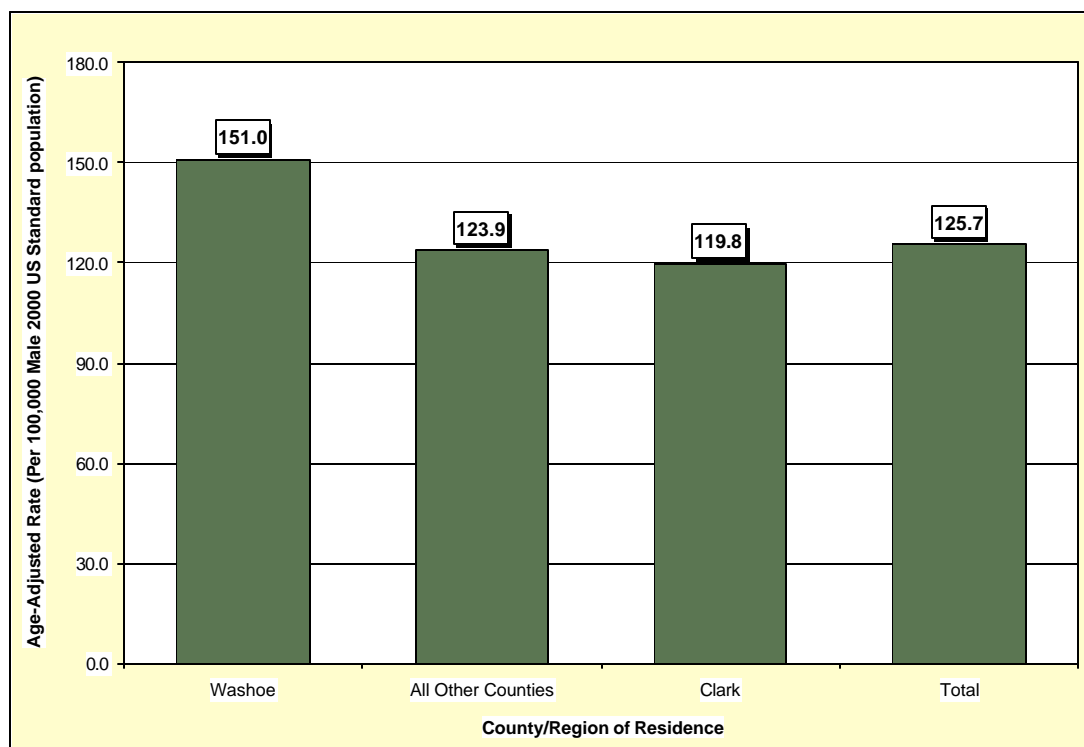


Figure 65. Prostate Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1997-2001

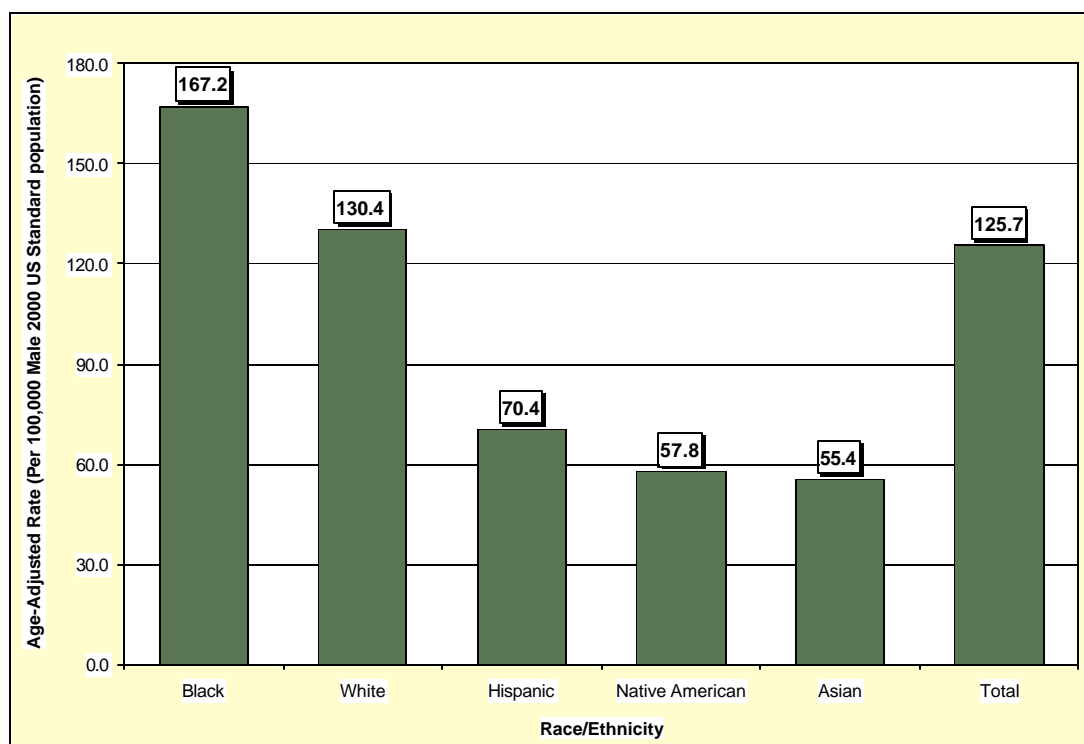


Table 86. Prostate Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1997-2001)
Total						
Cases	5,337	3,408	1,053	874	2	127,779
Rate*	58.6	55.8	69.7	59.0	---	75.0
95% C.I.	(57.0-60.3)	(53.9-57.8)	(65.5-74.2)	(55.1-63.1)	---	(74.6-75.5)
Gender						
Male	5,337	3,408	1,053	874	2	127,779
Rate*	125.7	119.8	151.0	123.9	---	172.3
95% C.I.	(122.1-129.4)	(115.5-124.3)	(141.6-161.0)	(115.5-133.0)	---	(171.4-173.3)
Female	0	0	0	0	0	0
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	4,696	2,907	973	814	2	100,957
Rate*	61.6	59.1	73.2	59.7	---	73.5
95% C.I.	(59.9-63.5)	(56.9-61.4)	(68.7-78.0)	(55.6-64.1)	---	(73.0-73.9)
Black	326	278	31	17	0	15,708
Rate*	75.8	70.2	130.4	204.4	---	111.3
95% C.I.	(67.4-85.3)	(61.8-79.9)	(87.9-189.0)	(118.6-334.7)	---	(109.6-113.1)
Native American	23	9	6	8	0	309
Rate*	25.5	---	---	---	---	22.1
95% C.I.	(15.8-40.1)	---	---	---	---	(19.6-19.6)
Asian	77	54	17	6	0	7,359
Rate*	23.5	19.2	28.4	---	---	43.8
95% C.I.	(17.4-32.4)	(13.6-28.5)	(15.8-57.8)	---	---	(42.8-44.9)
Hispanic	174	125	24	25	0	8,932
Rate*	31.3	29.3	32.6	44.2	---	57.8
95% C.I.	(26.3-37.3)	(23.8-36.2)	(19.6-54.1)	(27.4-69.6)	---	(56.6-59.1)
Other/Unknown	41	35	2	4	0	3,446

*Rates are per 100,000 male population and age-adjusted to the 2001 US Standard population.

Note: The "—" is used for rates calculated on numbers less than ten and SEER numbers less than five. Caution should be used when comparing rates for racial/ethnic groups to the National (SEER) rates. See Technical Notes for more information.

Table 87. Prostate Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1995-1999)
Total						
Cases	5,337	3,408	1,053	874	2	119,272
Rate*	107.8	100.6	123.7	123.1	---	130.9
95% C.I.	(104.9-110.7)	(97.2-103.9)	(116.3-131.2)	(114.9-131.3)	---	(130.1-131.6)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
15-24	1	1	0	0	0	7
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
25-34	1	1	0	0	0	11
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.0-0.1)
35-44	14	8	3	3	0	421
Rate*	1.7	---	---	---	---	2.7
95% C.I.	(0.8-2.6)	---	---	---	---	(2.4-3.0)
45-54	381	255	65	60	1	7,828
Rate*	58.6	59.7	53.9	58.7	---	69.5
95% C.I.	(52.7-64.5)	(52.4-67.0)	(40.8-66.9)	(43.8-73.5)	---	(67.9-71.0)
55-64	1,456	963	281	212	0	28,440
Rate*	320.0	315.7	368.7	287.6	---	423.4
95% C.I.	(303.6-336.5)	(295.7-335.6)	(325.6-411.9)	(248.9-326.3)	---	(418.4-428.3)
65-74	2,225	1,409	460	356	0	48,387
Rate*	702.0	659.9	924.2	663.6	---	938.8
95% C.I.	(672.8-731.2)	(625.4-694.3)	(839.8-1,008.7)	(594.6-732.5)	---	(930.4-947.1)
75-84	1,028	638	198	191	1	28,206
Rate*	648.5	601.3	799.1	690.7	---	973.2
95% C.I.	(608.8-688.1)	(554.7-648.0)	(687.8-910.4)	(592.7-788.6)	---	(961.9-984.6)
85+	221	126	44	51	0	5,964
Rate*	893.0	849.5	908.8	1,005.2	---	804.7
95% C.I.	(775.3-1,010.8)	(701.2-997.9)	(640.3-1,177.3)	(729.3-1,281.1)	---	(784.2-825.1)
Unknown	10	7	2	1	0	0

* Rates are per 100,000 age-specific male population.

Note: The "—" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 88. Prostate Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1997-2001

County of Residence at Diagnosis	1997-2001 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	242	197.7	(172.8-222.6)	186.5	(163.5-212.4)
Churchill	88	145.5	(115.1-175.9)	164.5	(131.1-205.8)
Clark	3,408	100.6	(97.2-103.9)	119.8	(115.5-124.3)
Douglas	141	136.5	(113.9-159.0)	116.0	(96.3-139.9)
Elko	62	51.3	(38.6-64.1)	123.6	(89.7-168.6)
Esmeralda	5	---	---	---	---
Eureka	4	---	---	---	---
Humboldt	30	68.3	(43.9-92.7)	109.9	(70.9-169.9)
Lander	6	---	---	---	---
Lincoln	10	95.9	(36.5-155.3)	73.5	(35.2-154.6)
Lyon	129	149.7	(123.9-175.5)	128.8	(106.9-155.2)
Mineral	25	187.5	(114.0-261.0)	140.4	(87.3-224.8)
Nye	102	126.4	(101.9-150.9)	84.1	(67.9-105.3)
Pershing	7	---	---	---	---
Storey	9	---	---	---	---
Washoe	1,053	123.7	(116.3-131.2)	151.0	(141.6-161.0)
White Pine	14	66.7	(31.8-101.7)	61.6	(33.4-107.6)
Unknown	2	---	---	---	---
Total	5,337	107.8	(104.9-110.7)	125.7	(122.1-129.4)

Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 male population. **Rates are per 100,000 male population and are age-adjusted to the 2001 US Standard population.

Table 89. Prostate Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity		Gender			
		Male	Female	Other/Unknown	Total
White	Incidence	4,696	0	0	4,696
	Rate*	130.4	---	---	61.6
	95% C.I.	(126.5-134.5)	---	---	(59.9-63.5)
Black	Incidence	326	0	0	326
	Rate*	167.2	---	---	75.8
	95% C.I.	(147.5-190.4)	---	---	(67.4-85.3)
Native American	Incidence	23	0	0	23
	Rate*	57.8	---	---	25.5
	95% C.I.	(34.7-96.8)	---	---	(15.8-40.1)
Asian	Incidence	77	0	0	77
	Rate*	55.4	---	---	23.5
	95% C.I.	(41.3-76.0)	---	---	(17.4-32.4)
Hispanic	Incidence	174	0	0	174
	Rate*	70.4	---	---	31.3
	95% C.I.	(58.3-85.5)	---	---	(26.3-37.3)
Other/Unknown		41	0	0	41
Total	Incidence	5,337	0	0	5,337
	Rate*	125.7	---	---	58.6
	95% C.I.	(122.1-129.4)	---	---	(57.0-60.3)

Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 male population and are age-adjusted to the 2001 US Standard population.

Table 90. Prostate Cancer Cases by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender			
	Male	Female	Other/ Unknown	Total
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	0	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	1	0	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	14	0	0	14
Rate*	1.7	---	---	0.9
95% C.I.	(0.8-2.6)	---	---	(0.4-1.4)
45-54	381	0	0	381
Rate*	58.6	---	---	29.7
95% C.I.	(52.7-64.5)	---	---	(26.7-32.7)
55-64	1,456	0	0	1,456
Rate*	320.0	---	---	158.9
95% C.I.	(303.6-336.5)	---	---	(150.8-167.1)
65-74	2,225	0	0	2,225
Rate*	702.0	---	---	346.4
95% C.I.	(672.8-731.2)	---	---	(332.0-360.8)
75-84	1,028	0	0	1,028
Rate*	648.5	---	---	292.6
95% C.I.	(608.8-688.1)	---	---	(274.8-310.5)
85+	221	0	0	221
Rate*	893.0	---	---	289.9
95% C.I.	(775.3-1,010.8)	---	---	(251.7-328.1)
Unknown	10	0	0	10
Total	5,337	0	0	5,337
Rate*	107.8	---	---	54.8
95% C.I.	(104.9-110.7)	---	---	(53.3-56.3)

Note: The “---” is used for rates calculated on numbers less than ten.

* Rates are per 100,000 age-specific population.

Table 91. Prostate Cancer Cases by Age Group and Stage, Nevada Residents, 1997-2001

Age Group		Stage				
		In situ	Localized	Regional	Distant	Unstaged
<1	Number	0	0	0	0	0
	Percent	---	---	---	---	---
1-4	Number	0	0	0	0	0
	Percent	---	---	---	---	---
5-14	Number	0	0	0	0	0
	Percent	---	---	---	---	---
15-24	Number	0	1	0	0	1
	Percent	---	100.0%	---	---	100.0%
25-34	Number	0	1	0	0	1
	Percent	---	100.0%	---	---	100.0%
35-44	Number	0	11	2	0	14
	Percent	---	78.6%	14.3%	---	100.0%
45-54	Number	0	283	50	7	381
	Percent	---	74.3%	13.1%	1.8%	100.0%
55-64	Number	0	1,051	211	41	1,456
	Percent	---	72.2%	14.5%	2.8%	100.0%
65-74	Number	0	1,631	197	105	2,225
	Percent	---	73.3%	8.9%	4.7%	100.0%
75-84	Number	0	648	45	73	1,028
	Percent	---	63.0%	4.4%	7.1%	100.0%
85+	Number	0	92	10	20	221
	Percent	---	41.6%	4.5%	9.0%	100.0%
Unknown	Number	0	8	1	1	10
	Percent	---	80.0%	10.0%	10.0%	100.0%
Total	Number	0	3,726	516	247	5,337
	Percent	---	69.8%	9.7%	4.6%	100.0%

Table 92. Prostate Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1997-2001

Stage		Race/Ethnicity						
		White	Black	Native American	Asian	Hispanic	Other/Unknown	Total
In situ	Number	0	0	0	0	0	0	0
	Percent	---	---	---	---	---	---	---
Localized	Number	3,296	223	12	47	125	23	3,726
	Percent	70.2%	68.4%	52.2%	61.0%	71.8%	56.1%	69.8%
Regional	Number	458	31	4	5	13	5	516
	Percent	9.8%	9.5%	17.4%	6.5%	7.5%	12.2%	9.7%
Distant	Number	217	13	0	7	10	0	247
	Percent	4.6%	4.0%	---	9.1%	5.7%	---	4.6%
Unstaged	Number	725	59	7	18	26	13	848
	Percent	15.4%	18.1%	30.4%	23.4%	14.9%	31.7%	15.9%
Total	Number	4,696	326	23	77	174	41	5,337
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

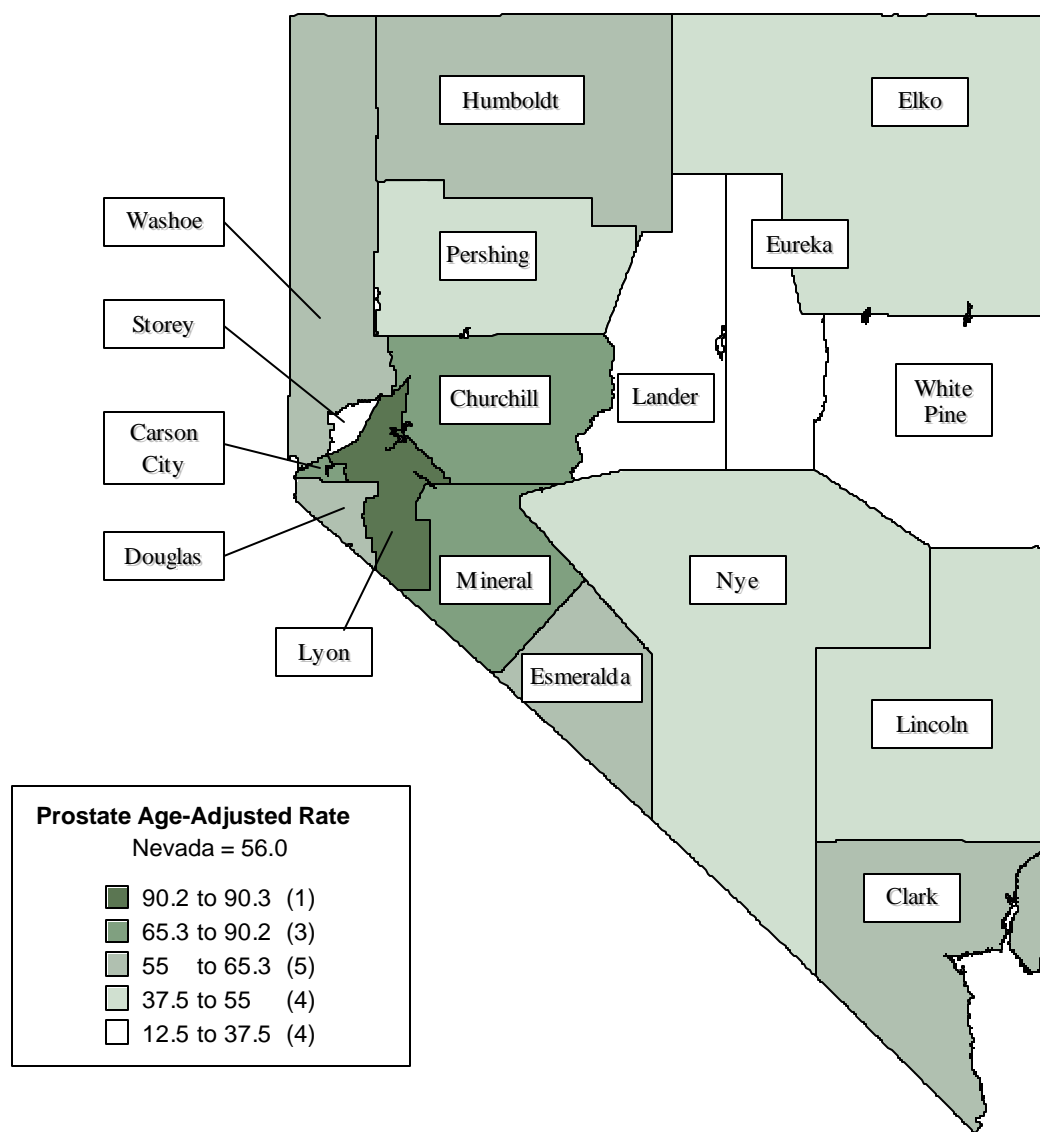
Table 93. Median Age at Diagnosis of Prostate Cancer by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity	Gender					
	Male		Female		Total	
	Incidence	Median Age	Incidence	Median Age	Incidence	Median Age
White	4,686	68.0	0	---	4,686	68.0
Black	326	66.0	0	---	326	66.0
Native American	23	70.0	0	---	23	70.0
Asian	77	67.0	0	---	77	67.0
Hispanic	174	68.0	0	---	174	68.0
Other/Unknown	41	66.0	0	---	41	66.0
Total	5,327	68.0	0	---	5,327	68.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

**Figure 66. Prostate Cancer Age-Adjusted (2001) Inpatient Discharge Rates,
Nevada Residents, 1997-2001**



Note: Rates are per 100,000 male population and age-adjusted to 2001 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical notes for more information.

Figure 67. Prostate Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1997-2001

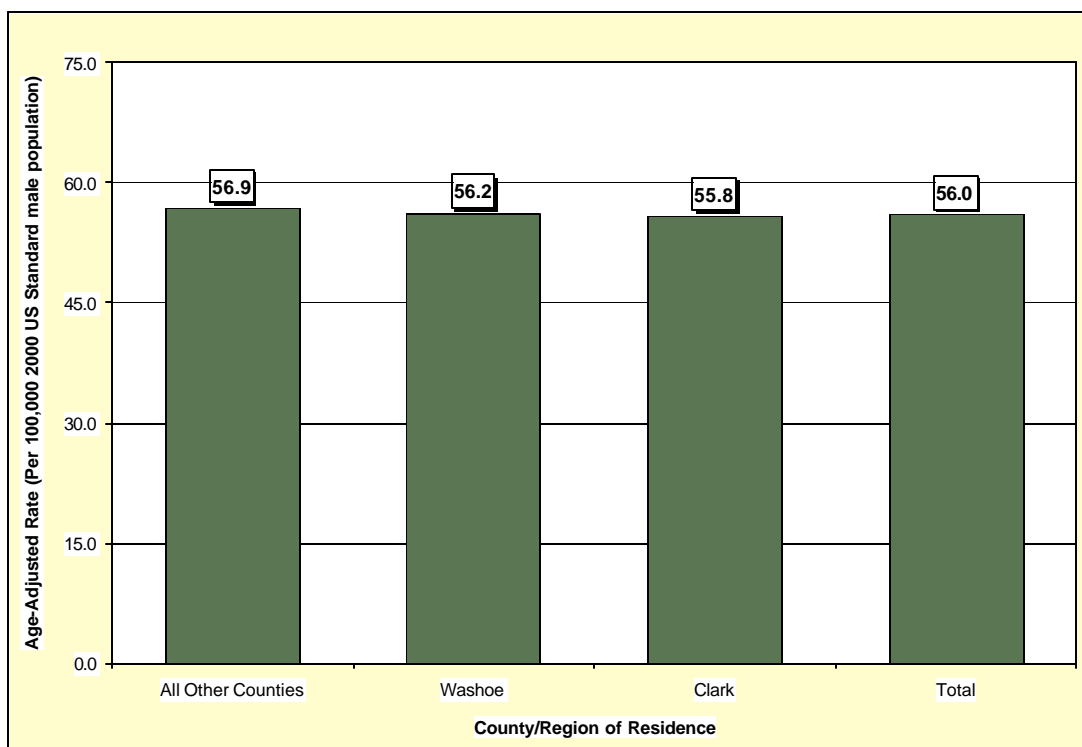


Figure 68. Median Charges for Prostate Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

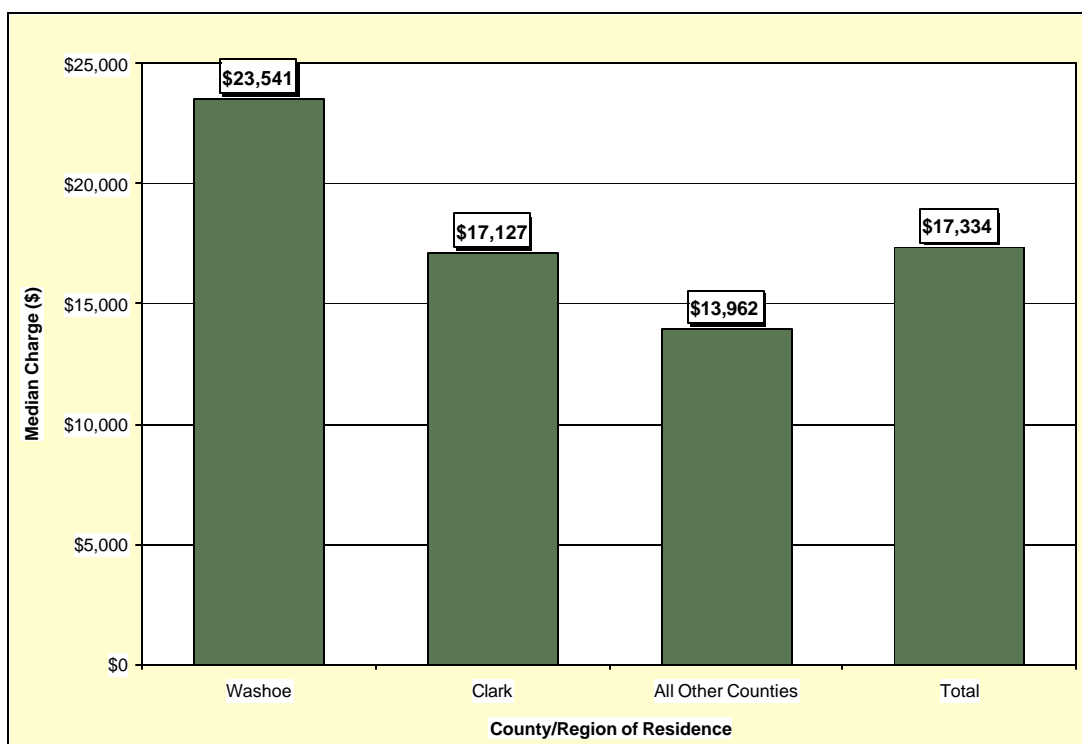


Figure 69. Average Length of Stay for Prostate Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

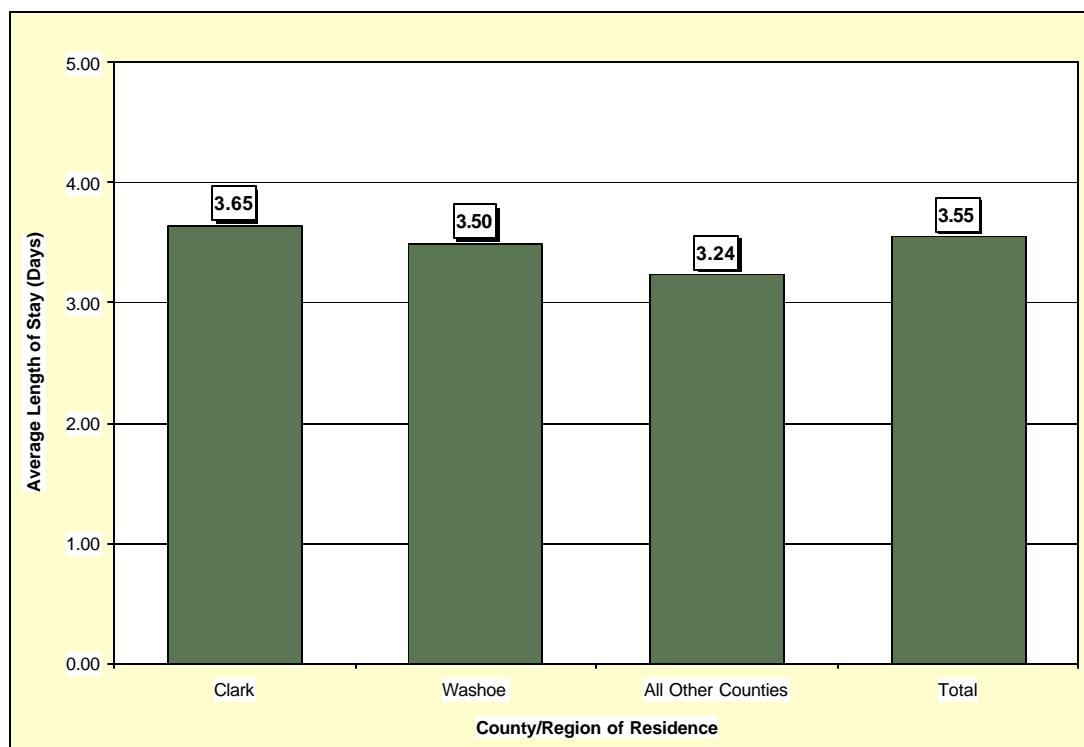


Table 94. Prostate Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	2,536	1,679	426	431	0
Rate*	26.8	26.5	26.9	27.8	---
95% C.I.	(25.7-27.9)	(25.2-27.8)	(24.4-29.6)	(25.2-30.7)	---
Gender					
Male	2,536	1,679	426	431	0
Rate*	56.0	55.8	56.2	56.9	---
95% C.I.	(53.8-58.4)	(53.0-58.8)	(50.8-62.2)	(51.4-62.9)	---
Female	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$52,781,802	\$35,604,697	\$10,281,114	\$6,895,991	---
Average Charges	\$20,813	\$21,206	\$24,134	\$16,000	---
Median Charges	\$17,334	\$17,127	\$23,541	\$13,962	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	9,007	6,123	1,489	1,395	---
Average LOS	3.6	3.6	3.5	3.2	---
Median LOS	3.0	3.0	3.0	3.0	---

* Rates are per 100,000 male population and are age-adjusted to the 2001 US Standard population.

Note: The “---” is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 95. Prostate Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Cases	2,536	1,679	426	431	0
Rate*	51.2	49.5	50.1	60.7	---
95% C.I.	(49.2-53.2)	(47.2-51.9)	(45.3-54.8)	(55.0-66.4)	---
Age Group					
<1	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
1-4	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
5-14	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
15-24	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
25-34	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
35-44	12	9	1	2	0
Rate*	1.5	---	---	---	---
95% C.I.	(0.6-2.3)	---	---	---	---
45-54	273	180	51	42	0
Rate*	42.0	42.1	42.3	41.1	---
95% C.I.	(37.0-47.0)	(36.0-48.3)	(30.7-53.8)	(28.6-53.5)	---
55-64	941	632	164	145	0
Rate*	206.8	207.2	215.2	196.7	---
95% C.I.	(193.6-220.0)	(191.0-223.3)	(182.3-248.1)	(164.7-228.7)	---
65-74	963	612	162	189	0
Rate*	303.8	286.6	325.5	352.3	---
95% C.I.	(284.6-323.0)	(263.9-309.3)	(275.4-375.6)	(302.1-402.5)	---
75-84	283	206	38	39	0
Rate*	178.5	194.2	153.4	141.0	---
95% C.I.	(157.7-199.3)	(167.6-220.7)	(104.6-202.1)	(96.8-185.3)	---
85+	64	40	10	14	0
Rate*	258.6	269.7	206.5	275.9	---
95% C.I.	(195.3-322.0)	(186.1-353.3)	(78.5-334.6)	(131.4-420.5)	---
Unknown	0	0	0	0	0

* Rates are per 100,000 age-specific male population.

Note: The "—" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 96. Prostate Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
25-34	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
35-44	12	0	12
Rate*	1.5	---	0.8
95% C.I.	(0.6-2.3)	---	(0.3-1.2)
45-54	273	0	273
Rate*	42.0	---	21.3
95% C.I.	(37.0-47.0)	---	(18.7-23.8)
55-64	941	0	941
Rate*	206.8	---	102.7
95% C.I.	(193.6-220.0)	---	(96.1-109.3)
65-74	963	0	963
Rate*	303.8	---	149.9
95% C.I.	(284.6-323.0)	---	(140.5-159.4)
75-84	283	0	283
Rate*	178.5	---	80.6
95% C.I.	(157.7-199.3)	---	(71.2-89.9)
85+	64	0	64
Rate*	258.6	---	83.9
95% C.I.	(195.3-322.0)	---	(63.4-104.5)
Unknown	0	0	0
Total	2,536	0	2,536
Rate*	51.2	---	26.0
95% C.I.	(49.2-53.2)	---	(25.0-27.1)

* Rates are per 100,000 male age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 97. Prostate Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

County of Residence	1997-2001 Inpatient Hospital Discharges				
	Number	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	88	35.3	(27.9-42.7)	30.5	(24.5-37.8)
Churchill	42	34.8	(24.3-45.4)	35.6	(25.6-48.7)
Clark	1,679	25.2	(24.0-26.4)	26.5	(25.2-27.8)
Douglas	76	37.1	(28.7-45.4)	29.6	(23.1-38.0)
Elko	27	11.7	(7.3-16.1)	19.0	(12.0-29.6)
Esmeralda	2	---	---	---	---
Eureka	1	---	---	---	---
Humboldt	16	19.1	(9.7-28.4)	26.5	(14.8-45.4)
Lander	2	---	---	---	---
Lincoln	5	---	---	---	---
Lyon	94	55.3	(44.1-66.4)	45.0	(36.3-55.7)
Mineral	13	49.3	(22.5-76.0)	33.3	(17.6-63.6)
Nye	55	35.0	(25.7-44.2)	23.6	(17.5-32.0)
Pershing	5	---	---	---	---
Storey	2	---	---	---	---
Washoe	426	25.4	(23.0-27.8)	26.9	(24.4-29.6)
White Pine	3	---	---	---	---
Unknown	0	---	---	---	---
Total	2,536	26.0	(25.0-27.1)	26.8	(25.7-27.9)

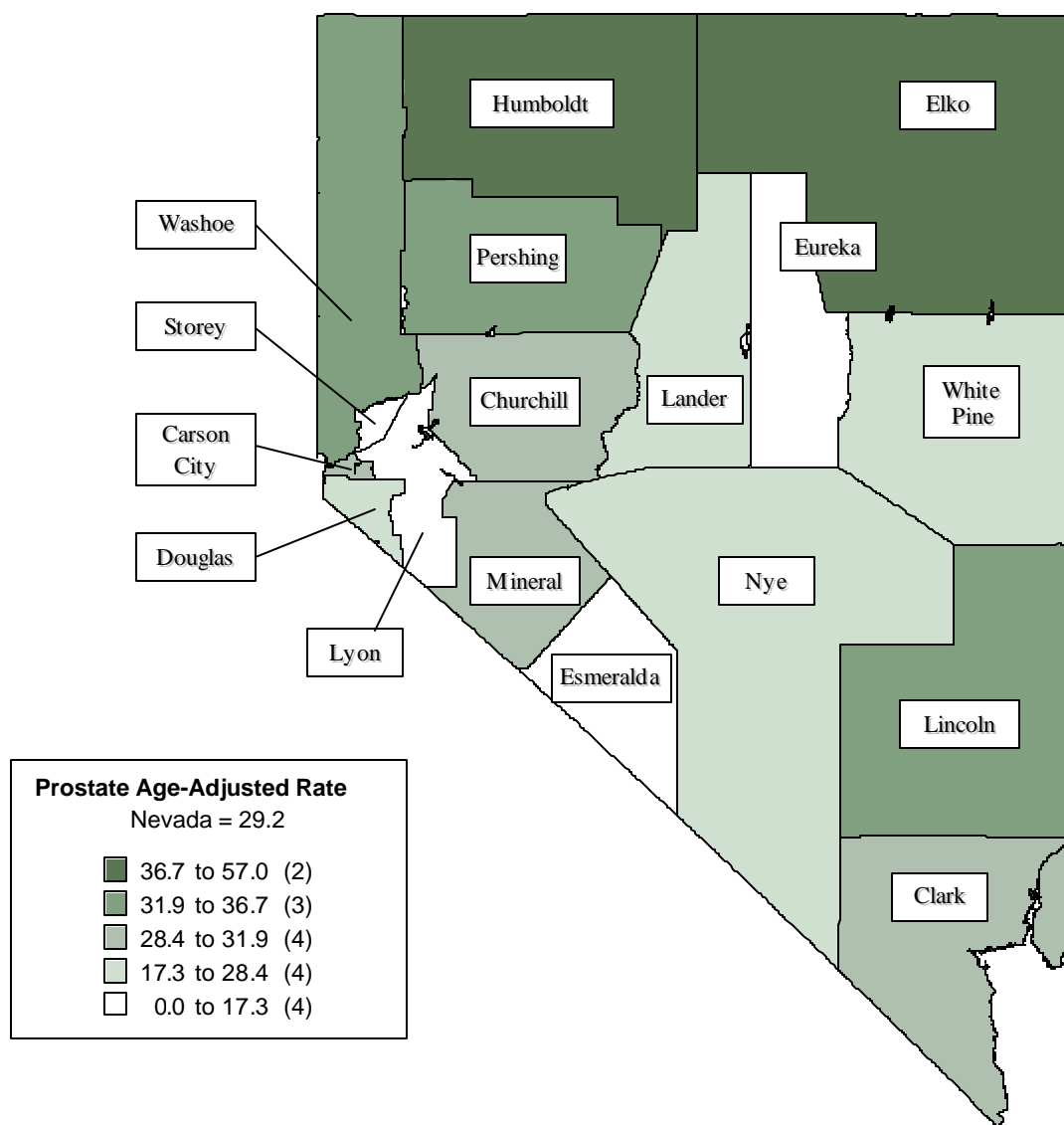
Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 male population. **Rates are per 100,000 male population and are age-adjusted to the 2001 US Standard population.

Table 98. Prostate Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1997-2001

Age Group	Discharges	Charges (\$)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	0	---	---	---	---	---	---
1-4	0	---	---	---	---	---	---
5-14	0	---	---	---	---	---	---
15-24	0	---	---	---	---	---	---
25-34	0	---	---	---	---	---	---
35-44	12	207,402	17,284	16,642	38	3.2	3.0
45-54	273	5,169,236	18,935	17,878	875	3.2	3.0
55-64	941	23,334,538	24,798	18,397	3,283	3.5	3.0
65-74	963	18,281,703	18,984	17,340	3,410	3.5	3.0
75-84	283	4,526,806	15,996	11,788	1,108	3.9	2.0
85+	64	1,262,117	19,721	11,337	293	4.6	3.0
Unknown	0	---	---	---	---	---	---
Total	2,536	4,294,945	2,450	20,277	45	2,450.0	3.7

MORTALITY

Figure 70. Prostate Cancer Age-Adjusted (2001) Mortality Rates, Nevada Residents, 1997-2001



Note: Rates are per 100,000 male population and age-adjusted to 2001 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 71. Prostate Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1997-2001

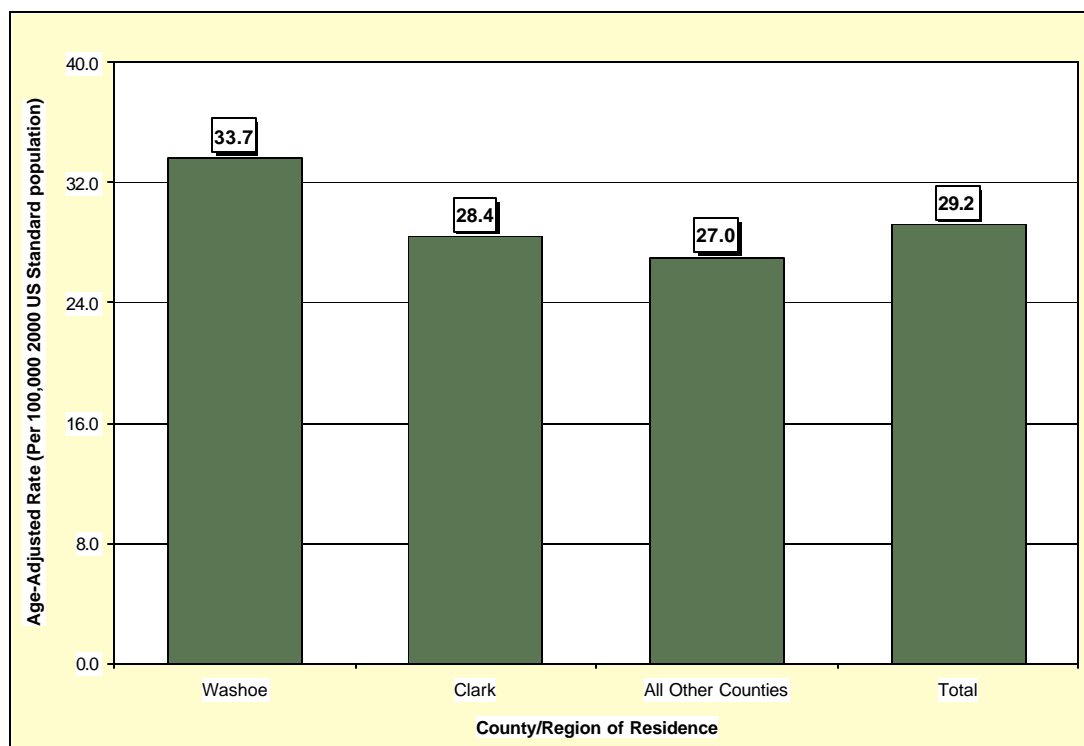


Figure 72. Prostate Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1997-2001

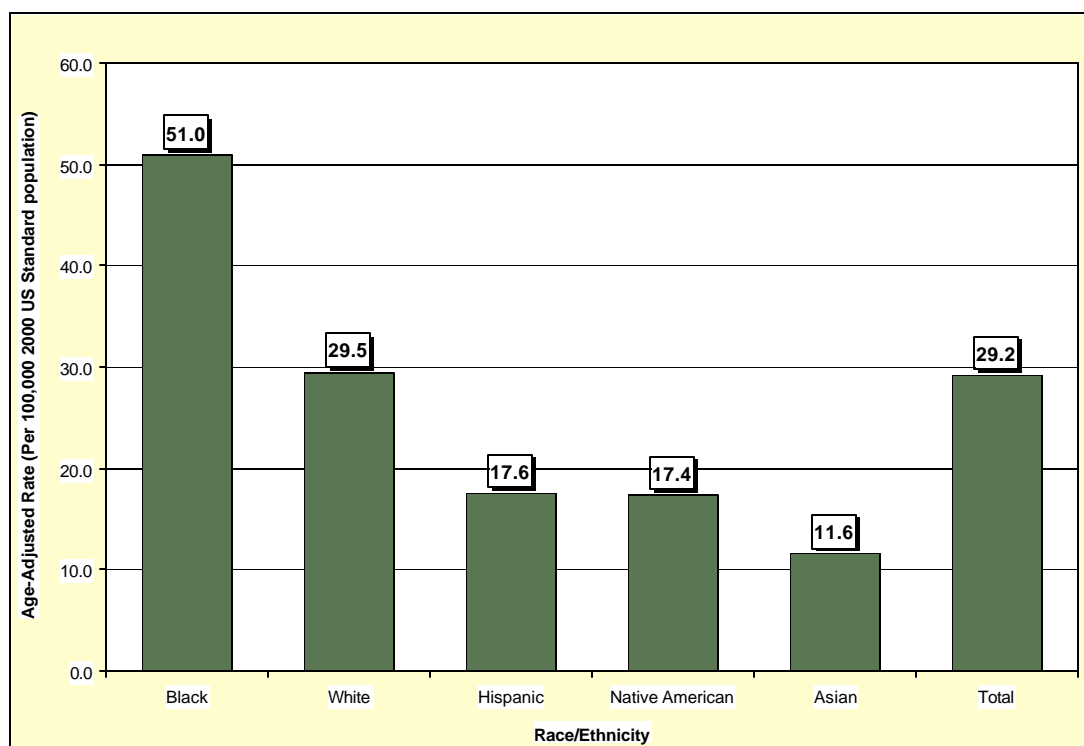


Table 99. Prostate Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	922	606	170	146
Rate*	12.1	11.9	13.3	11.6
95% C.I.	(11.3-13.0)	(10.9-12.9)	(11.3-15.5)	(9.7-13.7)
Gender				
Male	922	606	170	146
Rate*	29.2	28.4	33.7	27.0
95% C.I.	(27.2-31.4)	(25.9-31.1)	(28.5-39.7)	(22.5-32.3)
Female	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	810	514	159	137
Rate*	12.3	12.0	13.7	11.7
95% C.I.	(11.5-13.2)	(11.0-13.2)	(11.6-16.1)	(9.8-13.9)
Black	69	66	2	1
Rate*	20.8	21.4	---	---
95% C.I.	(16.0-27.0)	(16.3-28.0)	---	---
Native American	4	1	1	2
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	13	10	1	2
Rate*	5.0	5.1	---	---
95% C.I.	(2.2-11.2)	(1.9-13.3)	---	---
Hispanic	26	15	7	4
Rate*	7.0	5.5	---	---
95% C.I.	(4.3-10.9)	(2.8-10.0)	---	---
Other/Unknown	0	0	0	0

Note: The “---” is used for rates calculated on numbers less than ten.

*Rates are per 100,000 population and age-adjusted to the 2001 US Standard population. Rates for race/ethnicity groups are per 100,000 male population and age-adjusted to the 2001 US Standard population.

Table 100. Prostate Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	922	606	170	146
Rate*	9.5	9.1	10.1	10.4
95% C.I.	(8.9-10.1)	(8.4-9.8)	(8.6-11.7)	(8.8-12.1)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	8	5	2	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
55-64	70	50	13	7
Rate*	7.6	8.0	8.7	---
95% C.I.	(5.9-9.4)	(5.8-10.3)	(4.0-13.4)	---
65-74	275	194	43	38
Rate*	42.8	44.9	41.9	35.4
95% C.I.	(37.8-47.9)	(38.5-51.2)	(29.4-54.5)	(24.2-46.7)
75-84	398	265	69	64
Rate*	113.3	113.5	119.3	106.8
95% C.I.	(102.2-124.4)	(99.8-127.1)	(91.2-147.5)	(80.7-133.0)
85+	171	92	43	36
Rate*	224.3	197.0	277.3	256.6
95% C.I.	(190.7-257.9)	(156.8-237.3)	(194.4-360.1)	(172.8-340.4)
Unknown	0	0	0	0

* Rates are per 100,000 age-specific male population.

Note: The "—" is used for rates calculated on numbers less than ten.

Table 101. Prostate Cancer Mortality by County of Residence, Nevada Residents, 1997-2001

County of Residence	1997-2001 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	40	16.1	(11.1-21.0)	13.3	(9.5-18.4)
Churchill	15	12.4	(6.1-18.7)	13.9	(7.7-23.6)
Clark	606	9.1	(8.4-9.8)	11.9	(10.9-12.9)
Douglas	18	8.8	(4.7-12.8)	10.4	(6.0-17.3)
Elko	17	7.3	(3.9-10.8)	20.1	(11.5-33.0)
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	7	---	---	---	---
Lander	1	---	---	---	---
Lincoln	4	---	---	---	---
Lyon	14	8.2	(3.9-12.5)	7.8	(4.2-13.7)
Mineral	4	---	---	---	---
Nye	16	10.2	(5.2-15.2)	9.0	(4.8-16.1)
Pershing	3	---	---	---	---
Storey	1	---	---	---	---
Washoe	170	10.1	(8.6-11.7)	13.3	(11.3-15.5)
White Pine	6	---	---	---	---
Unknown	0	---	---	---	---
Total	922	9.5	(8.9-10.1)	12.1	(11.3-13.0)

Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 male population. **Rates are per 100,000 male population and are age-adjusted to the 2001 US Standard population.

Table 102. Prostate Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity		Gender		
		Male	Female	Total
White	Mortality	810	0	810
	Rate*	29.5	---	12.3
	95% C.I.	(27.3-31.9)	---	(11.5-13.2)
Black	Mortality	69	0	69
	Rate*	51.0	---	20.8
	95% C.I.	(38.0-68.3)	---	(16.0-27.0)
Native American	Mortality	4	0	4
	Rate*	---	---	---
	95% C.I.	---	---	---
Asian	Mortality	13	0	13
	Rate*	11.6	---	5.0
	95% C.I.	(5.1-26.1)	---	(2.2-11.2)
Hispanic	Mortality	26	0	26
	Rate*	17.6	---	7.0
	95% C.I.	(10.5-28.6)	---	(4.3-10.9)
Other/Unknown		0	0	0
Total	Mortality	922	0	922
	Rate*	29.2	---	12.1
	95% C.I.	(27.2-31.4)	---	(11.3-13.0)

Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 male population and are age-adjusted to the 2001 US Standard population.

Table 103. Prostate Cancer Mortality by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
25-34	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
35-44	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
45-54	8	0	8
Rate*	---	---	---
95% C.I.	---	---	---
55-64	70	0	70
Rate*	15.4	---	7.6
95% C.I.	(11.8-19.0)	---	(5.9-9.4)
65-74	275	0	275
Rate*	86.8	---	42.8
95% C.I.	(76.5-97.0)	---	(37.8-47.9)
75-84	398	0	398
Rate*	251.1	---	113.3
95% C.I.	(226.4-275.7)	---	(102.2-124.4)
85+	171	0	171
Rate*	691.0	---	224.3
95% C.I.	(587.4-794.6)	---	(190.7-257.9)
Unknown	0	0	0
Total	922	0	922
Rate*	18.6	---	9.5
95% C.I.	(17.4-19.8)	---	(8.9-10.1)

Note: The "—" is used for rates calculated on numbers less than ten.

* Rates are per 100,000 age-specific population.

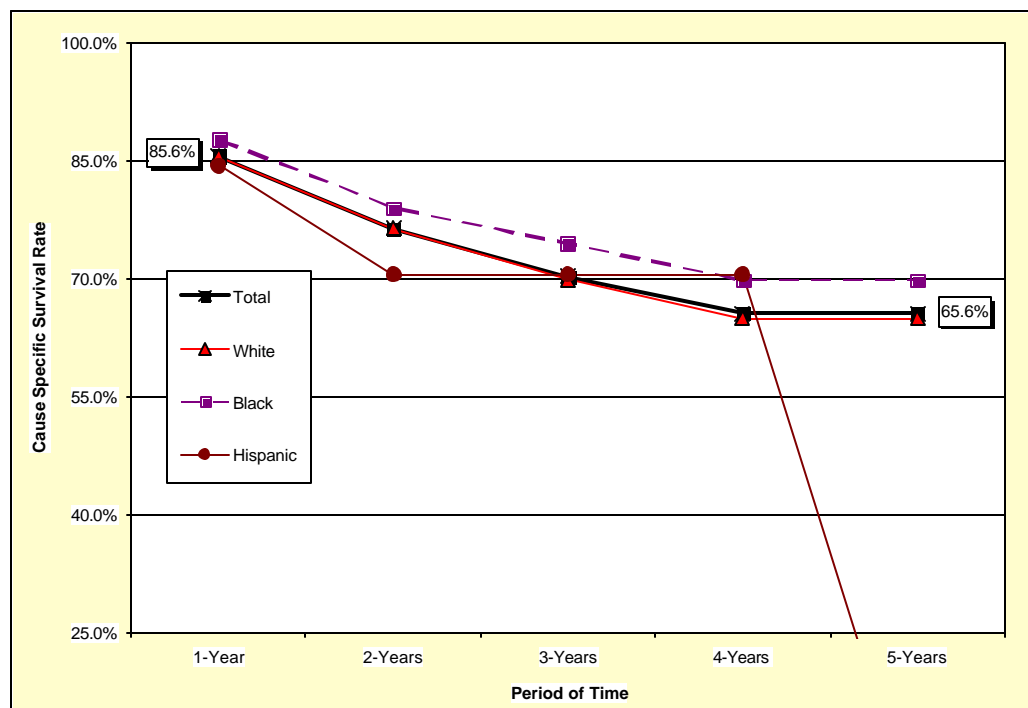
Table 104. Median Age at Death from Prostate Cancer by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity	Gender					
	Male		Female		Total	
	Deaths	Median Age	Deaths	Median Age	Deaths	Median Age
White	810	77.0	0	---	810	77.0
Black	69	75.0	0	---	69	75.0
Native American	4	---	0	---	4	---
Asian	13	74.0	0	---	13	74.0
Hispanic	26	74.5	0	---	26	74.5
Other/Unknown	0	---	0	---	0	---
Total	922	77.0	0	---	922	77.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 73. Survival Rates for Prostate Cancer by Race/Ethnicity, Nevada Residents, 1997-2001



Notes: The survival rate for those racial/ethnic groups not included in this chart could not be calculated due to small cell size.

Figure 74. Survival Rates for Prostate Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1997-2001

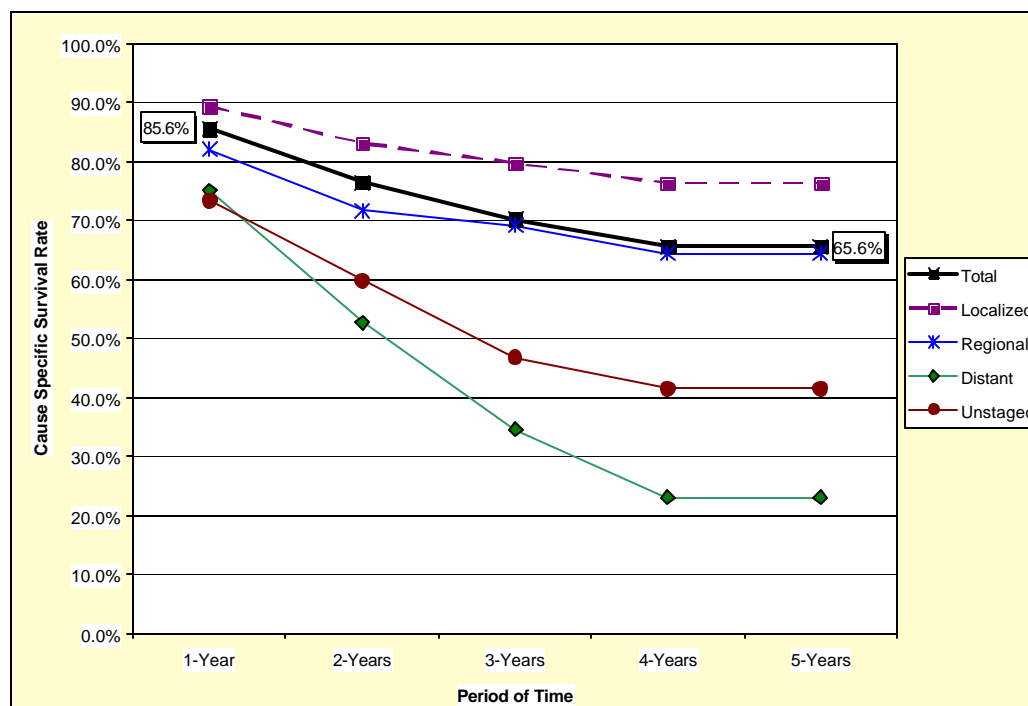


Table 105. Cause-Specific Survival Rates for Prostate Cancer by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	4,518	85.6%	76.4%	70.2%	65.6%	65.6%	>5 years
Male	4,510	85.6%	76.5%	70.3%	65.6%	65.6%	>5 years
Female	8	---	---	---	---	---	---
Race/Ethnicity							
White	3,947	85.5%	76.3%	69.9%	65.0%	65.0%	>5 years
Male	3,940	85.6%	76.5%	70.0%	65.0%	65.0%	>5 years
Female	7	---	---	---	---	---	---
Black	289	87.7%	79.0%	74.5%	69.8%	69.8%	>5 years
Male	289	87.7%	79.0%	74.5%	69.8%	69.8%	>5 years
Female	0	---	---	---	---	---	---
Native American	19	---	---	---	---	---	---
Male	19	---	---	---	---	---	---
Female	0	---	---	---	---	---	---
Asian	68	76.2%	67.3%	50.5%	50.5%	50.5%	>5 years
Male	67	76.0%	67.1%	50.3%	50.3%	50.3%	>5 years
Female	1	---	---	---	---	---	---
Hispanic	154	84.4%	70.5%	70.5%	70.5%	---	---
Male	154	84.4%	70.5%	70.5%	70.5%	---	---
Female	0	---	---	---	---	---	---

Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 106. Cause-Specific Survival Rates for Prostate Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1997-2001

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	4,518	4,510	8
	One Year	85.6%	85.6%	---
	5 Years	65.6%	65.6%	---
	Median Survival	>5 years	>5 years	---
Stage at Diagnosis				
In situ	Cases	0	0	0
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Localized	Cases	3,246	3,240	6
	One Year	89.4%	89.5%	---
	5 Years	76.3%	76.5%	---
	Median Survival	>5 years	>5 years	---
Regional	Cases	451	449	2
	One Year	82.0%	82.2%	---
	5 Years	64.4%	64.3%	---
	Median Survival	>5 years	>5 years	---
Distant	Cases	208	208	0
	One Year	75.0%	75.0%	---
	5 Years	23.0%	23.0%	---
	Median Survival	2.15	2.15	---
Unstaged	Cases	613	613	0
	One Year	73.3%	73.3%	---
	5 Years	41.5%	41.5%	---
	Median Survival	2.75	2.75	---

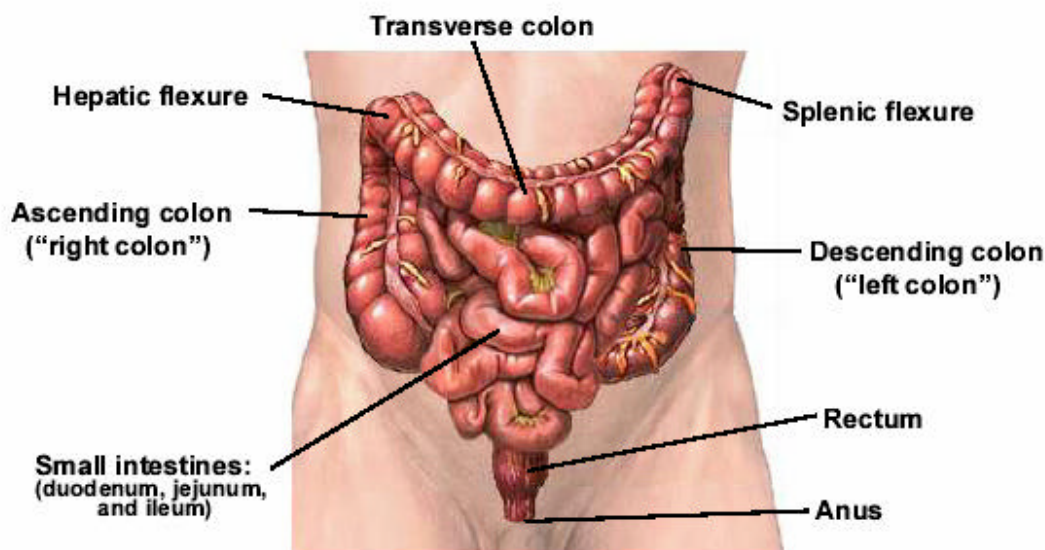
Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

COLORECTAL CANCER

COLORECTAL CANCER

GENERAL PROFILE⁴

Figure 75. Anatomy of the Digestive System⁵



General Anatomy: The colon and rectum are parts of the body's digestive system, which removes nutrients from food and stores waste until it is passed out of the body. Together, the colon and rectum form a long, muscular tube called the large intestine (also called the large bowel). The colon makes up the proximal 6 feet of the large intestine, and the rectum is identified as the most distal 8 to 10 inches of the large intestine.

Risk Factors: Age, diet, polyps (benign growths on the inner wall of the colon and rectum), personal medical history, family medical history, and ulcerative colitis (the lining of the colon becomes inflamed).

Signs and Symptoms: A change in bowel habits, diarrhea, constipation, or feeling that the bowel does not empty completely, blood (either bright red or very dark) in the stool, stools that are narrower than usual, general abdominal discomfort (frequent gas pains, bloating, fullness, and/or cramps), weight loss with no known reason, constant tiredness, and vomiting.

Diagnosing the Cancer: Fecal occult blood test, sigmoidoscopy, colonoscopy, double contrast barium enema (DCBE), polypectomy, biopsy, and a digital rectal exam.

Treatment: Treatment options include: surgery (Colostomy), chemotherapy, radiation therapy, biological therapy, and clinical trials.

HIGHLIGHTS

- The ratio of the age-adjusted incidence rate, 52.4, to the age-adjusted mortality rate, 22.9 (per 100,000 – 2000 US Standard population), for Colorectal Cancer was 2.29 during the 1997 to 2001 period, which means that for every 2.29 Colorectal Cancer cases diagnosed during this period, there was one death due to Colorectal Cancer in Nevada.
- Nevadan females had a higher ratio than males when the age-adjusted incidence and age-adjusted mortality rates for Colorectal Cancer were compared. For every female death due to Colorectal Cancer there was 2.43 female cases while there were 2.17 male cases for every male Colorectal Cancer death in Nevada from 1997 to 2001.
- The median age at diagnosis of Colorectal Cancer was 70 years of age for Nevada residents from 1996 to 2001, while the median age at time of death was 72 years.

CANCER SCREENING

- Of the 3,841 individuals in Nevada who were surveyed in 1997, 1999 and 2001, 51.9% responded no to ever having a blood stool test and/or a sigmoidoscopy or colonoscopy to try and detect early signs of Colorectal Cancer.
- Males had a lower percentage of respondents who said yes to ever having a blood stool test and/or a sigmoidoscopy or colonoscopy than females (49.3%) with a percentage of 46.9% when the questions were asked in 1997, 1999 and 2001.
- Each age group showed statistical significance over the next age group for those respondents who said that they had never had a blood stool test and/or a sigmoidoscopy or colonoscopy, with the 35 to 44 age group having the highest percentage at 85.1% (82.1%-88.1%); being followed by the 45 to 54, 55 to 64 and 65 and older age groups with percentages of 59.8% (57.0%-62.6%), 44.5% (41.3%-47.7%) and 34.6% (31.8%-37.4%), respectively, when these questions were included in the Behavioral Risk Factor Surveillance Survey.

INCIDENCE

- Nevada's incidence rate for Colorectal Cancer (52.4) was only slightly lower than the National rate of 55.0 (per 100,000 – 2000 US Standard population) from 1997 to 2001.
- There were 4,530 cases of Colorectal Cancer reported in Nevada from 1997 to 2001. Regional comparisons of Colorectal Cancer incidence showed that Clark County had the highest age-adjusted incidence rate, 54.1, followed by Washoe County, 53.3, and the All Other Counties region, 44.7 (per 100,000 – 2001 US Standard population), during the 1997 to 2001 period.
- Males had a statistically significant higher age-adjusted incidence rate for Colorectal Cancer 59.3 (56.8-62.0) than the female rate of 46.5 (44.5-48.6) during the 1997 to 2001

period.

- The Colorectal Cancer age-adjusted incidence rates for Blacks, 56.7 (49.0-65.6), and Whites, 55.8 (54.0-57.6), showed statistical significance over, and were nearly double, the rates for all other racial/ethnic groups from 1997 to 2001. They were followed by Asians, Hispanics and Native Americans with rates of 30.8 (24.0-40.2), 23.8 (19.3-29.4) and 15.9 (8.6-28.3), respectively.

INPATIENT HOSPITAL DISCHARGES

- There were 4,196 Nevada resident hospital inpatient discharges with a primary diagnosis of Colorectal Cancer from 1997 to 2001. Clark County had the highest cancer age-adjusted inpatient discharge rate, 50.7 (48.8-52.7), once regional comparisons were made. However, the rate was only statistically significant over the All Other Counties region which had the lowest age-adjusted discharge rate, 39.4 (36.2-42.9), during this same period.
- Total billed charges for Colorectal Cancer inpatient hospital discharges in Nevada totaled nearly 145.3 million dollars from 1997 to 2001. The overall average billed charge per day for a hospital inpatient discharge due to Colorectal Cancer was approximately \$4,122 in Nevada from 1997 to 2001.
- Clark County had the highest median total billed amount (\$35,855). Washoe County had the highest average length of stay, once regional comparisons were made (8.7 days) during this time.

MORTALITY

- There were 1,891 resident deaths due to Colorectal Cancer in Nevada from 1997 to 2001. Males had a higher statistically significant age-adjusted mortality rate, 27.3 (25.5-29.2), than females who had a rate of 19.1 (17.8-20.4), per 100,000 – 2000 US Standard population, during this period.
- Blacks, as a racial/ethnic group, had the highest age-adjusted mortality rate for Colorectal Cancer of any racial/ethnic group, 31.3, and were followed by Whites, Native Americans, Asians, and Hispanics with rates of 23.6, 15.6, 12.9, and 12.0, (per 100,000 – 2000 US Standard population) respectively, from 1997 to 2001.

SURVIVAL RATE

- The one-year survival rate for Colorectal Cancer in Nevada was 74.1% during the 1997 to 2001 period, while the five-year survival rate was 49.0% during this same time. The median survival rate in Nevada was 3.81 years.
- Females in Nevada had a slightly higher one-year survival rate (75.2%) than males (73.2%) for Colorectal Cancer during the 1997 to 2001 period. This trend was similar for the median survival time with females and males at over 5 years and 3.49 years,

respectively. Females also had a higher five-year survival rate (50.3%) for Colorectal Cancer than males who had a rate of 48.1% during this time.

- Hispanics had a considerably higher median survival time than other racial/ethnic groups with a period of over five years, while Whites and Blacks had periods of 3.56 and 2.96 years, respectively.
- The five-year survival rate for those diagnosed at the localized stage for Colorectal Cancer was 67.8% for Nevada from 1997 to 2001, while those recorded at the regional, distant and unstaged stages had rates of 53.0%, 22.2% and 33.9%, respectively.
- While the median survival time for those diagnosed at the localized and Regional stages was over five years for Colorectal Cancer, those diagnosed at the distant and unstaged levels had median survival times of, 1.43 and 1.88 years, respectively, for Nevada during the 1997 to 2001 period.

SCREENING (BRFSS)**Table 107. Colorectal Cancer Screening by County/Region of Residence, Gender, Education, Age Group, and Income, Nevada Residents, 1997, 1999 and 2001**

Responses	Answers						
	Yes			No			Total
	Number	Percent*	95% C.I.	Number	Percent*	95% C.I.	
Total							
Responses	1,828	48.1%	(46.5%-49.7%)	2,013	51.9%	(50.3%-53.5%)	3,841
County/Region of Residence							
Clark County	569	48.0%	(45.2%-50.8%)	662	52.0%	(49.2%-54.8%)	1,231
Washoe County	581	49.2%	(46.4%-52.0%)	612	50.8%	(48.0%-53.6%)	1,193
All Other Counties	678	47.7%	(45.1%-50.3%)	739	52.3%	(49.7%-54.9%)	1,417
Gender							
Male	881	46.9%	(44.6%-49.2%)	989	53.1%	(50.8%-55.4%)	1,870
Female	947	49.3%	(47.1%-51.5%)	1,024	50.7%	(48.5%-52.9%)	1,971
Education							
Less than High School	169	51.7%	(46.4%-57.0%)	170	48.3%	(43.0%-53.6%)	339
High School	483	41.9%	(39.0%-44.8%)	664	58.1%	(55.2%-61.0%)	1,147
Some Post High School	600	50.1%	(47.3%-52.9%)	659	49.9%	(47.1%-52.7%)	1,259
College Graduate	572	51.6%	(48.6%-54.6%)	513	48.4%	(45.4%-51.4%)	1,085
Age Group							
18-24 years old	0	---	---	0	---	---	0
25-34 years old	0	---	---	0	---	---	0
35-44 years old	89	14.9%	(11.9%-17.9%)	468	85.1%	(82.1%-88.1%)	557
45-54 years old	443	40.2%	(37.4%-43.0%)	740	59.8%	(57.0%-62.6%)	1,183
55-64 years old	529	55.5%	(52.3%-58.7%)	422	44.5%	(41.3%-47.7%)	951
65+ years old	762	65.4%	(62.6%-68.2%)	370	34.6%	(31.8%-37.4%)	1,132
Income							
Less than \$15,000	179	40.0%	(35.1%-44.9%)	201	60.0%	(55.1%-64.9%)	380
\$15,000 - \$24,999	172	50.6%	(45.3%-55.9%)	166	49.4%	(44.1%-54.7%)	338
\$25,000 - \$34,999	228	41.9%	(37.7%-46.1%)	297	58.1%	(53.9%-62.3%)	525
\$35,000 - \$49,999	317	46.4%	(42.7%-50.1%)	392	53.6%	(49.9%-57.3%)	709
\$50,000 or More	606	48.1%	(45.4%-50.8%)	664	51.9%	(49.2%-54.6%)	1,270

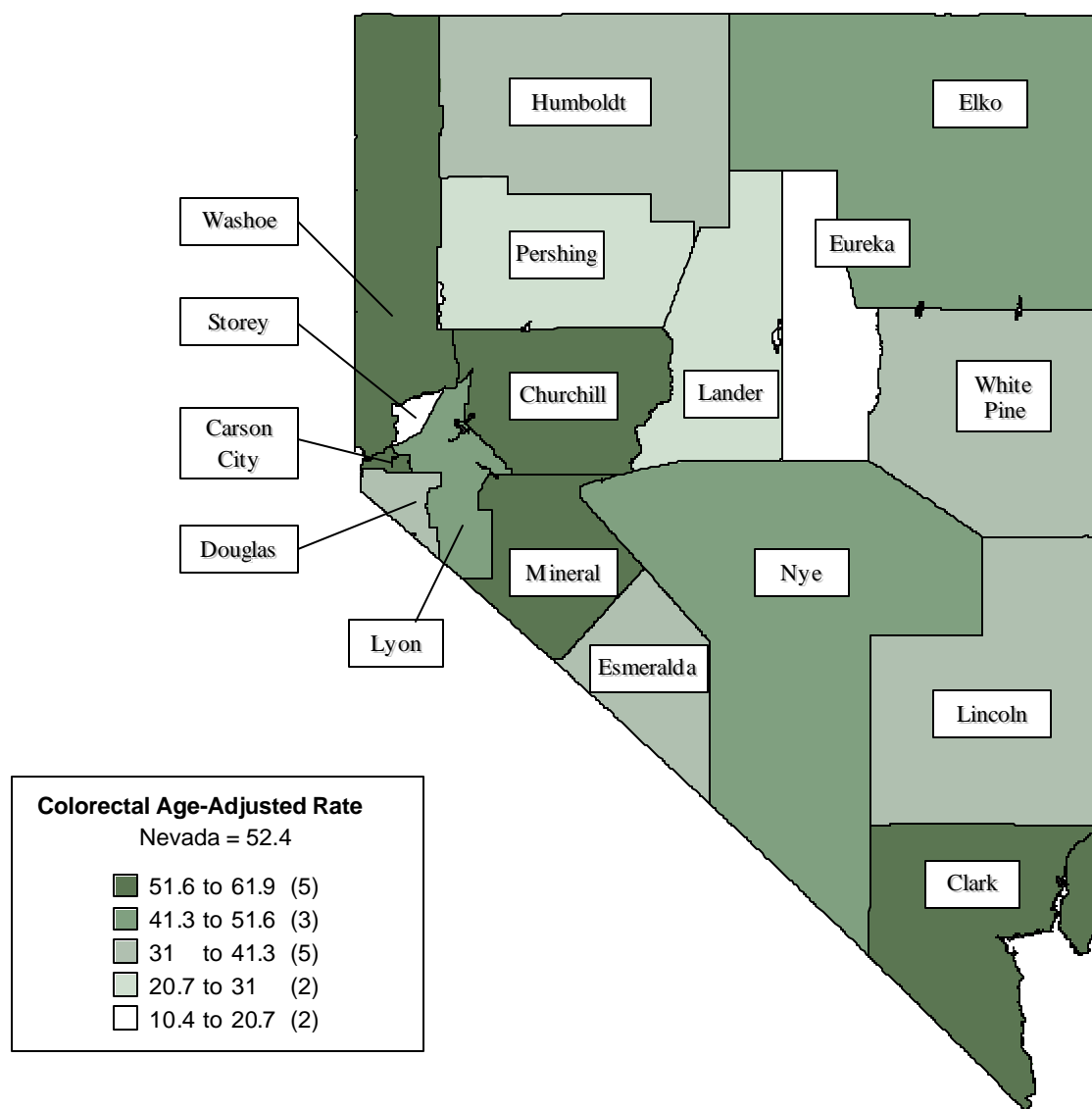
*Denominator is persons age 18-64 and excludes missing, don't know, and refused responses.

Note: This table includes those respondents who answered "Yes" or "No" to either of the following questions:

- 1) A blood stool test is a test that may use a special kit at home to determine whether the stool contains blood. Have you ever had this test using a home kit?
- 2) A sigmoidoscopy or colonoscopy is when a tube is inserted in the rectum to view the bowel for signs of cancer and other health problems. Have you ever had this exam?

INCIDENCE

Figure 76. Colorectal Cancer Age-Adjusted (2001) Incidence Rates, Nevada Residents, 1997-2001



Note: Rates are per 100,000 population and age-adjusted to 2001 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 77. Colorectal Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1997-2001

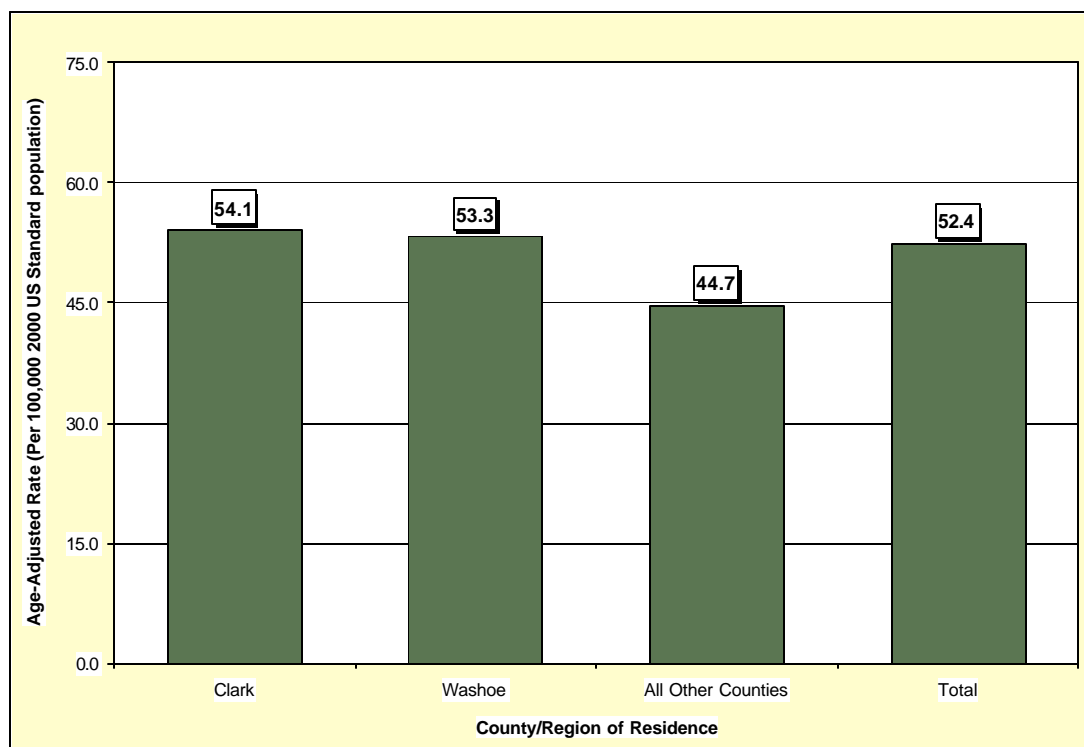


Figure 78. Colorectal Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1997-2001

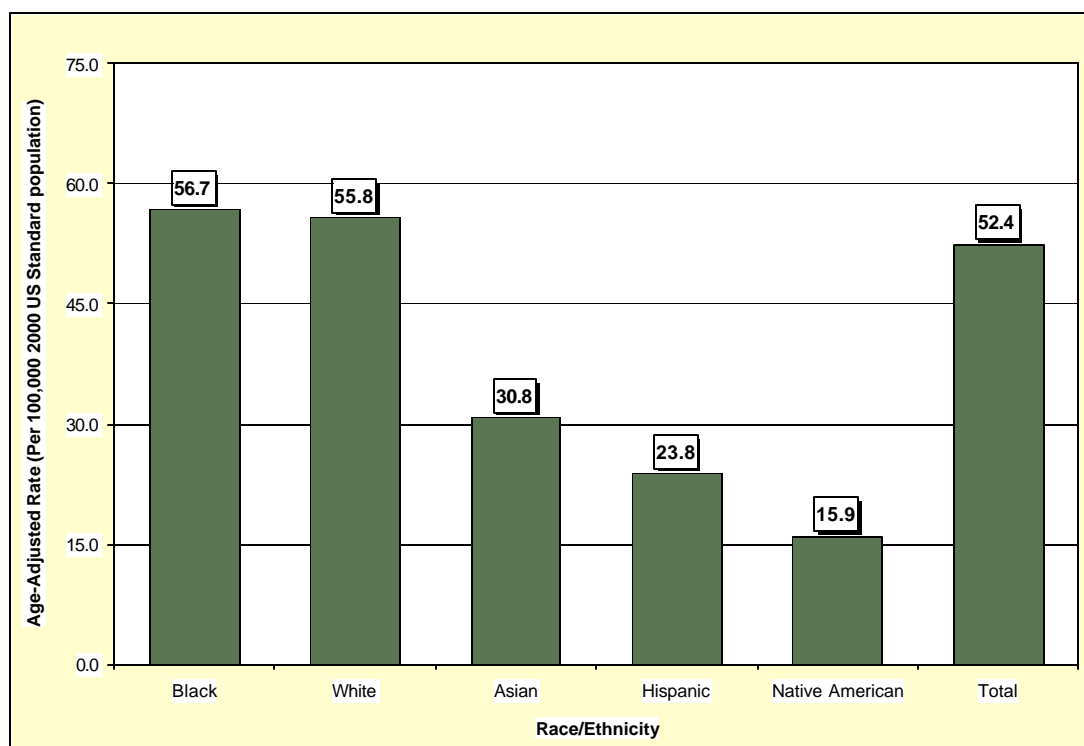


Table 108. Colorectal Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1997-2001)
Total						
Cases	4,530	3,118	775	637	0	94,216
Rate*	52.4	54.1	53.3	44.7	---	55.0
95% C.I.	(50.9-54.0)	(52.2-56.2)	(49.6-57.3)	(41.2-48.4)	---	(54.7-55.4)
Gender						
Male	2,419	1,659	419	341	0	47,193
Rate*	59.3	61.1	61.6	50.1	---	64.6
95% C.I.	(56.8-62.0)	(58.0-64.5)	(55.6-68.4)	(44.7-56.2)	---	(64.0-65.2)
Female	2,111	1,459	356	296	0	47,023
Rate*	46.5	48.3	45.8	40.0	---	47.8
95% C.I.	(44.5-48.6)	(45.8-50.9)	(41.2-50.9)	(35.6-44.9)	---	(47.3-48.2)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	4,026	2,714	712	600	0	76,262
Rate*	55.8	58.6	55.7	45.8	---	54.8
95% C.I.	(54.0-57.6)	(56.4-61.0)	(51.6-60.0)	(42.1-49.7)	---	(54.4-55.1)
Black	225	187	25	13	0	9,007
Rate*	56.7	50.4	112.1	172.7	---	64.6
95% C.I.	(49.0-65.6)	(42.8-59.3)	(71.5-169.4)	(91.2-301.2)	---	(63.2-65.9)
Native American	15	4	5	6	0	546
Rate*	15.9	---	---	---	---	35.9
95% C.I.	(8.6-28.3)	---	---	---	---	(32.7-32.7)
Asian	106	87	16	3	0	7,948
Rate*	30.8	31.5	30.0	---	---	46.8
95% C.I.	(24.0-40.2)	(23.6-43.1)	(16.1-60.7)	---	---	(45.8-47.9)
Hispanic	129	100	16	13	0	6,450
Rate*	23.8	23.7	21.6	28.0	---	40.3
95% C.I.	(19.3-29.4)	(18.5-30.4)	(11.7-40.2)	(14.0-51.8)	---	(39.3-41.4)
Other/Unknown	29	26	1	2	0	453

* Rates are per 100,000 population and age-adjusted to the 2001 US Standard population.

Note: The "—" is used for rates calculated on numbers less than ten and SEER numbers less than five. Caution should be used when comparing rates for racial/ethnic groups to the National (SEER) rates. See Technical Notes for more information.

Table 109. Colorectal Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1997-2001)
Total						
Cases	4,530	3,118	775	637	0	94,216
Rate*	46.5	46.8	46.2	45.6	---	50.9
95% C.I.	(45.2-47.9)	(45.2-48.4)	(42.9-49.4)	(42.0-49.1)	---	(50.6-51.2)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	1	0	1	0	0	12
Rate*	---	---	---	---	---	0.0
95% C.I.	---	---	---	---	---	(0.0-0.1)
15-24	1	0	1	0	0	129
Rate*	---	---	---	---	---	0.5
95% C.I.	---	---	---	---	---	(0.4-0.6)
25-34	34	26	6	2	0	835
Rate*	2.3	2.4	---	---	---	2.9
95% C.I.	(1.5-3.1)	(1.5-3.4)	---	---	---	(2.7-3.0)
35-44	157	118	22	17	0	3,484
Rate*	10.1	11.3	7.8	7.5	---	11.2
95% C.I.	(8.5-11.7)	(9.2-13.3)	(4.5-11.0)	(3.9-11.1)	---	(10.8-11.5)
45-54	458	310	78	70	0	9,602
Rate*	35.7	36.6	33.0	34.9	---	42.0
95% C.I.	(32.4-38.9)	(32.5-40.7)	(25.7-40.3)	(26.7-43.0)	---	(41.1-42.8)
55-64	898	641	147	110	0	15,857
Rate*	98.0	103.1	97.9	76.1	---	113.3
95% C.I.	(91.6-104.4)	(95.1-111.1)	(82.1-113.8)	(61.9-90.4)	---	(111.5-115.0)
65-74	1,444	979	253	212	0	25,272
Rate*	224.8	226.3	246.8	197.8	---	219.1
95% C.I.	(213.2-236.4)	(212.2-240.5)	(216.4-277.2)	(171.1-224.4)	---	(216.3-221.8)
75-84	1,184	826	189	169	0	27,288
Rate*	337.1	353.7	326.8	282.1	---	375.4
95% C.I.	(317.9-356.3)	(329.6-377.8)	(280.2-373.4)	(239.6-324.7)	---	(371.0-379.9)
85+	348	218	74	56	0	11,736
Rate*	456.5	466.8	477.1	399.1	---	473.2
95% C.I.	(408.5-504.4)	(404.9-528.8)	(368.4-585.9)	(294.6-503.6)	---	(464.6-481.8)
Unknown	5	0	4	1	0	0

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 110. Colorectal Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1997-2001

County of Residence at Diagnosis	1997-2001 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	161	64.6	(54.6-74.6)	55.8	(47.5-65.4)
Churchill	62	51.4	(38.6-64.2)	55.7	(42.6-72.0)
Clark	3,118	46.8	(45.2-48.4)	54.1	(52.2-56.2)
Douglas	90	43.9	(34.8-53.0)	37.8	(30.1-47.3)
Elko	50	21.6	(15.6-27.6)	45.5	(32.7-62.1)
Esmeralda	2	---	---	---	---
Eureka	1	---	---	---	---
Humboldt	20	23.8	(13.4-34.3)	36.7	(21.8-59.1)
Lander	7	---	---	---	---
Lincoln	10	49.4	(18.8-80.0)	39.1	(18.6-82.1)
Lyon	88	51.7	(40.9-62.6)	45.2	(36.1-56.3)
Mineral	21	79.6	(45.5-113.6)	61.8	(37.7-100.4)
Nye	100	63.6	(51.2-76.1)	44.9	(36.1-56.1)
Pershing	7	---	---	---	---
Storey	2	---	---	---	---
Washoe	775	46.2	(42.9-49.4)	53.3	(49.6-57.3)
White Pine	16	38.1	(19.4-56.7)	32.9	(18.7-55.8)
Unknown	0	---	---	---	---
Total	4,530	46.5	(45.2-47.9)	52.4	(50.9-54.0)

Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 111. Colorectal Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity		Gender			
		Male	Female	Other/Unknown	Total
White	Incidence	2,155	1,871	0	4,026
	Rate*	62.7	49.7	---	55.8
	95% C.I.	(60.0-65.7)	(47.5-52.0)	---	(54.0-57.6)
Black	Incidence	116	109	0	225
	Rate*	62.2	52.0	---	56.7
	95% C.I.	(49.6-78.7)	(42.3-63.5)	---	(49.0-65.6)
Native American	Incidence	8	7	0	15
	Rate*	---	---	---	15.9
	95% C.I.	---	---	---	(8.6-28.3)
Asian	Incidence	58	48	0	106
	Rate*	42.7	21.8	---	30.8
	95% C.I.	(29.8-62.3)	(15.7-33.0)	---	(24.0-40.2)
Hispanic	Incidence	69	60	0	129
	Rate*	26.2	21.4	---	23.8
	95% C.I.	(19.2-36.4)	(15.8-28.8)	---	(19.3-29.4)
Other/Unknown		13	16	0	29
Total	Incidence	2,419	2,111	0	4,530
	Rate*	59.3	46.5	---	52.4
	95% C.I.	(56.8-62.0)	(44.5-48.6)	---	(50.9-54.0)

Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 112. Colorectal Cancer Cases by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender			
	Male	Female	Other/ Unknown	Total
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	1	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	1	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	13	21	0	34
Rate*	1.7	3.0	---	2.3
95% C.I.	(0.8-2.6)	(1.7-4.2)	---	(1.5-3.1)
35-44	77	80	0	157
Rate*	9.6	10.7	---	10.1
95% C.I.	(7.4-11.7)	(8.3-13.0)	---	(8.5-11.7)
45-54	241	217	0	458
Rate*	37.1	34.2	---	35.7
95% C.I.	(32.4-41.8)	(29.7-38.8)	---	(32.4-38.9)
55-64	536	362	0	898
Rate*	117.8	78.5	---	98.0
95% C.I.	(107.8-127.8)	(70.4-86.6)	---	(91.6-104.4)
65-74	822	622	0	1,444
Rate*	259.3	191.2	---	224.8
95% C.I.	(241.6-277.1)	(176.2-206.2)	---	(213.2-236.4)
75-84	595	589	0	1,184
Rate*	375.3	305.6	---	337.1
95% C.I.	(345.2-405.5)	(280.9-330.2)	---	(317.9-356.3)
85+	131	217	0	348
Rate*	529.4	421.4	---	456.5
95% C.I.	(438.7-620.0)	(365.4-477.5)	---	(408.5-504.4)
Unknown	4	1	0	5
Total	2,419	2,111	0	4,530
Rate*	48.9	44.1	---	46.5
95% C.I.	(46.9-50.8)	(42.2-46.0)	---	(45.2-47.9)

Note: The “---” is used for rates calculated on numbers less than ten.

* Rates are per 100,000 age-specific population.

Table 113. Colorectal Cancer Cases by Age Group and Stage, Nevada Residents, 1997-2001

Age Group		Stage				
		In situ	Localized	Regional	Distant	Unstaged
<1	Number	0	0	0	0	0
	Percent	---	---	---	---	---
1-4	Number	0	0	0	0	0
	Percent	---	---	---	---	---
5-14	Number	0	0	1	0	1
	Percent	---	---	100.0%	---	100.0%
15-24	Number	0	0	0	1	1
	Percent	---	---	---	100.0%	100.0%
25-34	Number	0	13	12	3	6
	Percent	---	38.2%	35.3%	8.8%	17.6%
35-44	Number	0	51	54	30	22
	Percent	---	32.5%	34.4%	19.1%	14.0%
45-54	Number	0	133	175	95	55
	Percent	---	29.0%	38.2%	20.7%	12.0%
55-64	Number	0	278	317	190	113
	Percent	---	31.0%	35.3%	21.2%	12.6%
65-74	Number	0	450	537	281	176
	Percent	---	31.2%	37.2%	19.5%	12.2%
75-84	Number	0	376	416	191	201
	Percent	---	31.8%	35.1%	16.1%	17.0%
85+	Number	0	91	123	57	77
	Percent	---	26.1%	35.3%	16.4%	22.1%
Unknown	Number	0	0	3	2	0
	Percent	---	---	60.0%	40.0%	---
Total	Number	0	1,392	1,638	850	650
	Percent	---	30.7%	36.2%	18.8%	14.3%

Table 114. Colorectal Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1997-2001

Stage		Race/Ethnicity						
		White	Black	Native American	Asian	Hispanic	Other/Unknown	Total
In situ	Number	0	0	0	0	0	0	0
	Percent	---	---	---	---	---	---	---
Localized	Number	1,246	56	7	27	47	9	1,392
	Percent	30.9%	24.9%	46.7%	25.5%	36.4%	31.0%	30.7%
Regional	Number	1,455	84	6	42	39	12	1,638
	Percent	36.1%	37.3%	40.0%	39.6%	30.2%	41.4%	36.2%
Distant	Number	752	47	0	21	26	4	850
	Percent	18.7%	20.9%	---	19.8%	20.2%	13.8%	18.8%
Unstaged	Number	573	38	2	16	17	4	650
	Percent	14.2%	16.9%	13.3%	15.1%	13.2%	13.8%	14.3%
Total	Number	4,026	225	15	106	129	29	4,530
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

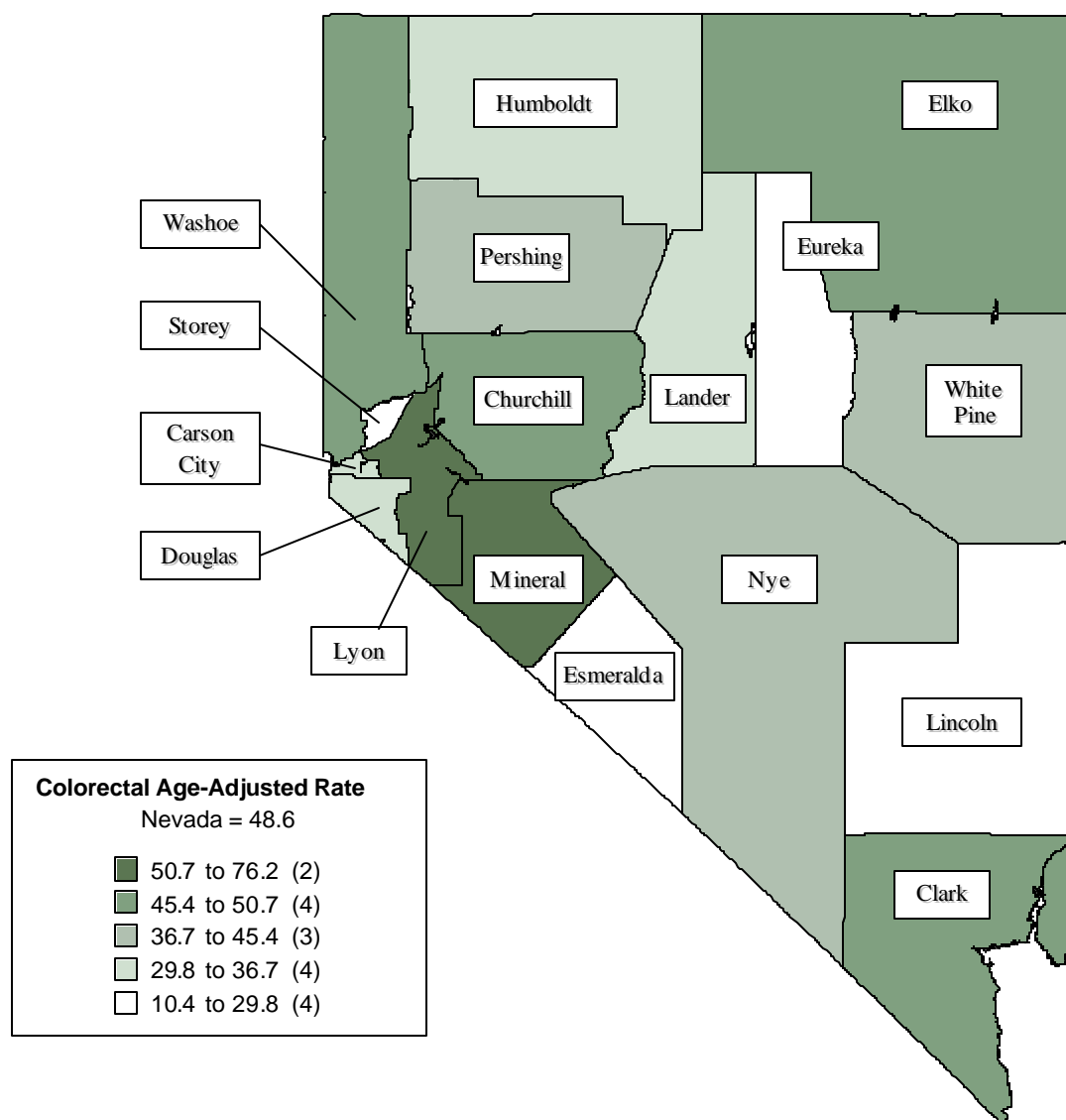
Table 115. Median Age at Diagnosis of Colorectal Cancer by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity	Gender					
	Male		Female		Total	
	Incidence	Median Age	Incidence	Median Age	Incidence	Median Age
White	2,152	69.0	1,870	71.0	4,022	70.0
Black	115	66.0	109	67.0	224	67.0
Native American	8	56.5	7	75.0	15	64.0
Asian	58	64.0	48	64.5	106	64.0
Hispanic	69	66.0	60	69.0	129	67.0
Other/Unknown	13	63.0	16	72.0	29	69.0
Total	2,415	69.0	2,110	71.0	4,525	70.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

**Figure 79. Colorectal Cancer Age-Adjusted (2001) Inpatient Discharge Rates,
Nevada Residents, 1997-2001**



Note: Rates are per 100,000 population and age-adjusted to 2001 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical notes for more information.

Figure 80. Colorectal Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1997-2001

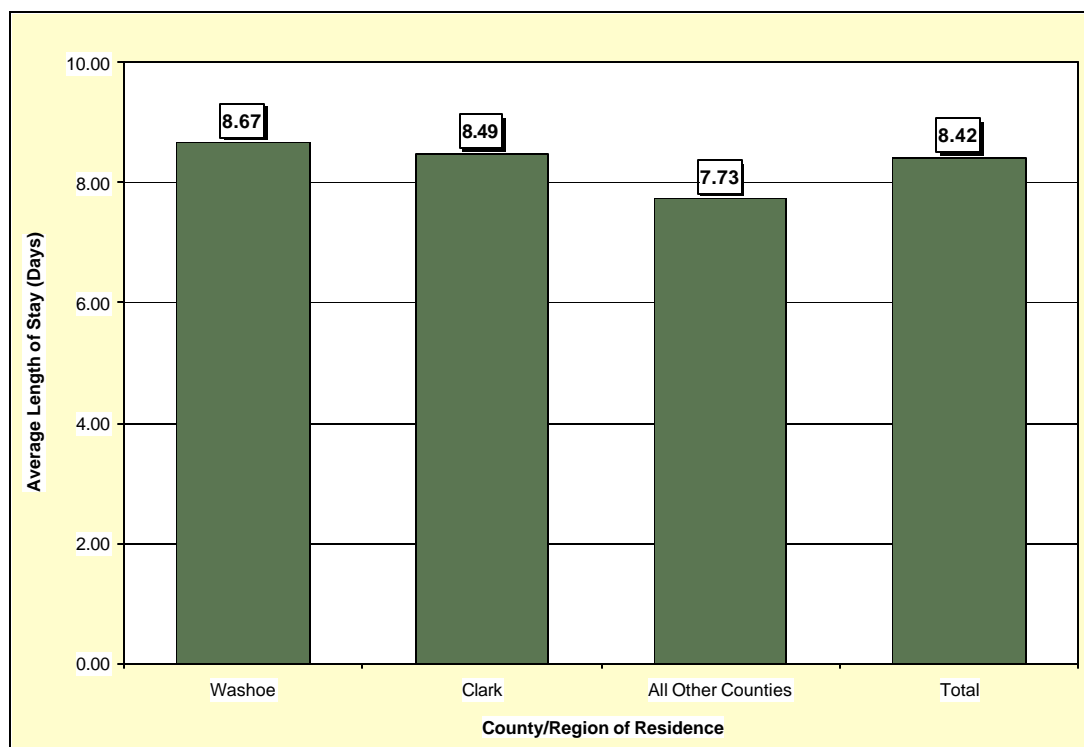


Figure 81. Median Charges for Colorectal Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

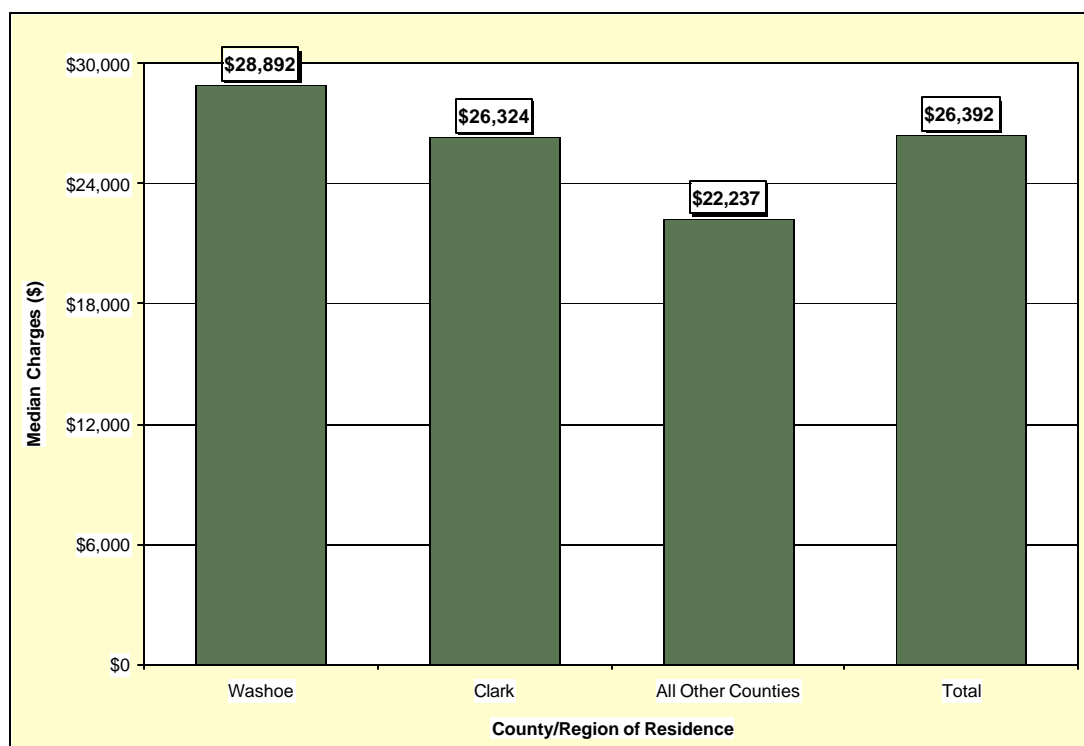


Figure 82. Average Length of Stay for Colorectal Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

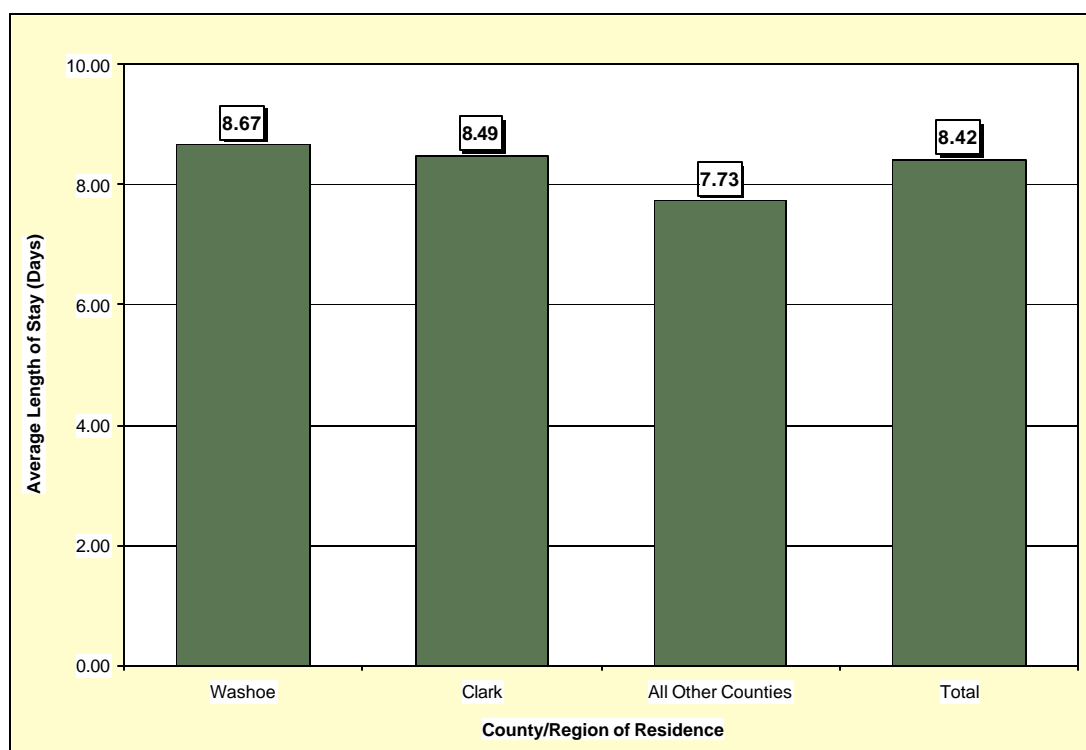


Table 116. Colorectal Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	4,196	2,928	706	562	0
Rate*	48.6	50.7	49.2	39.4	---
95% C.I.	(47.1-50.2)	(48.8-52.7)	(45.6-53.1)	(36.2-42.9)	---
Gender					
Male	2,169	1,529	339	301	0
Rate*	52.9	56.2	50.6	43.1	---
95% C.I.	(50.5-55.4)	(53.1-59.4)	(45.0-56.8)	(38.2-48.7)	---
Female	2,027	1,399	367	261	0
Rate*	44.7	46.2	47.4	35.5	---
95% C.I.	(42.8-46.8)	(43.7-48.7)	(42.7-52.6)	(31.3-40.2)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$145,312,024	\$104,984,223	\$23,941,559	\$16,386,242	---
Average Charges	\$34,631	\$35,855	\$33,912	\$29,157	---
Median Charges	\$26,392	\$26,324	\$28,892	\$22,237	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	35,339	24,868	6,124	4,347	---
Average LOS	8.4	8.5	8.7	7.7	---
Median LOS	7.0	7.0	8.0	6.0	---

* Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Note: The “---” is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 117. Colorectal Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	4,196	2,928	706	562	0
Rate*	43.1	44.0	42.1	40.2	---
95% C.I.	(41.8-44.4)	(42.4-45.5)	(39.0-45.2)	(36.9-43.5)	---
Age Group					
<1	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
1-4	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
5-14	1	0	1	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
15-24	2	2	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
25-34	31	23	3	5	0
Rate*	2.1	2.2	---	---	---
95% C.I.	(1.4-2.8)	(1.3-3.0)	---	---	---
35-44	121	95	14	12	0
Rate*	7.8	9.1	4.9	4.2	---
95% C.I.	(6.4-9.2)	(7.3-10.9)	(2.4-7.5)	(1.8-6.6)	---
45-54	414	292	71	51	0
Rate*	32.2	34.5	30.0	21.6	---
95% C.I.	(29.1-35.4)	(30.5-38.5)	(23.0-37.0)	(15.6-27.5)	---
55-64	824	611	124	89	0
Rate*	89.9	98.3	82.6	59.3	---
95% C.I.	(83.8-96.1)	(90.5-106.1)	(68.1-97.1)	(47.0-71.6)	---
65-74	1,347	914	236	197	0
Rate*	209.7	211.3	230.2	192.2	---
95% C.I.	(198.5-220.9)	(197.6-225.0)	(200.8-259.6)	(165.3-219.0)	---
75-84	1,138	799	177	162	0
Rate*	324.0	342.1	306.1	280.1	---
95% C.I.	(305.1-342.8)	(318.4-365.8)	(261.0-351.2)	(237.0-323.3)	---
85+	318	192	80	46	0
Rate*	417.1	411.2	515.8	296.6	---
95% C.I.	(371.3-463.0)	(353.0-469.3)	(402.8-628.9)	(210.9-382.3)	---
Unknown	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The “---” is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 118. Colorectal Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	1	1
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	2	2
Rate*	---	---	---
95% C.I.	---	---	---
25-34	13	18	31
Rate*	1.7	2.5	2.1
95% C.I.	(0.8-2.6)	(1.4-3.7)	(1.4-2.8)
35-44	58	63	121
Rate*	7.2	8.4	7.8
95% C.I.	(5.3-9.1)	(6.3-10.5)	(6.4-9.2)
45-54	227	187	414
Rate*	34.9	29.5	32.2
95% C.I.	(30.4-39.5)	(25.3-33.7)	(29.1-35.4)
55-64	474	350	824
Rate*	104.2	75.9	89.9
95% C.I.	(94.8-113.6)	(67.9-83.8)	(83.8-96.1)
65-74	751	596	1,347
Rate*	236.9	183.2	209.7
95% C.I.	(220.0-253.9)	(168.5-197.9)	(198.5-220.9)
75-84	536	602	1,138
Rate*	338.1	312.3	324.0
95% C.I.	(309.5-366.7)	(287.4-337.3)	(305.1-342.8)
85+	110	208	318
Rate*	444.5	404.0	417.1
95% C.I.	(361.4-527.6)	(349.1-458.9)	(371.3-463.0)
Unknown	0	0	0
Total	2,169	2,027	4,196
Rate*	43.8	42.3	43.1
95% C.I.	(42.0-45.7)	(40.5-44.2)	(41.8-44.4)

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 119. Colorectal Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

County of Residence	1997-2001 Inpatient Hospital Discharges				
	Number	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	88	35.3	(27.9-42.7)	30.3	(24.2-37.5)
Churchill	51	42.3	(30.7-53.9)	45.4	(33.7-60.3)
Clark	2,928	44.0	(42.4-45.5)	50.7	(48.8-52.7)
Douglas	71	34.6	(26.6-42.7)	29.8	(23.1-38.4)
Elko	50	21.6	(15.6-27.6)	46.4	(33.4-63.1)
Esmeralda	1	---	---	---	---
Eureka	1	---	---	---	---
Humboldt	18	21.4	(11.5-31.3)	31.0	(18.1-51.2)
Lander	10	32.0	(12.2-51.8)	32.7	(15.4-68.2)
Lincoln	4	---	---	---	---
Lyon	120	70.6	(57.9-83.2)	64.7	(53.4-78.1)
Mineral	26	98.5	(60.7-136.4)	76.1	(49.1-117.3)
Nye	93	59.2	(47.1-71.2)	41.1	(32.8-51.7)
Pershing	9	---	---	---	---
Storey	2	---	---	---	---
Washoe	706	42.1	(39.0-45.2)	49.2	(45.6-53.1)
White Pine	18	42.8	(23.1-62.6)	36.7	(21.7-60.4)
Unknown	0	---	---	---	---
Total	4,196	43.1	(41.8-44.4)	48.6	(47.1-50.2)

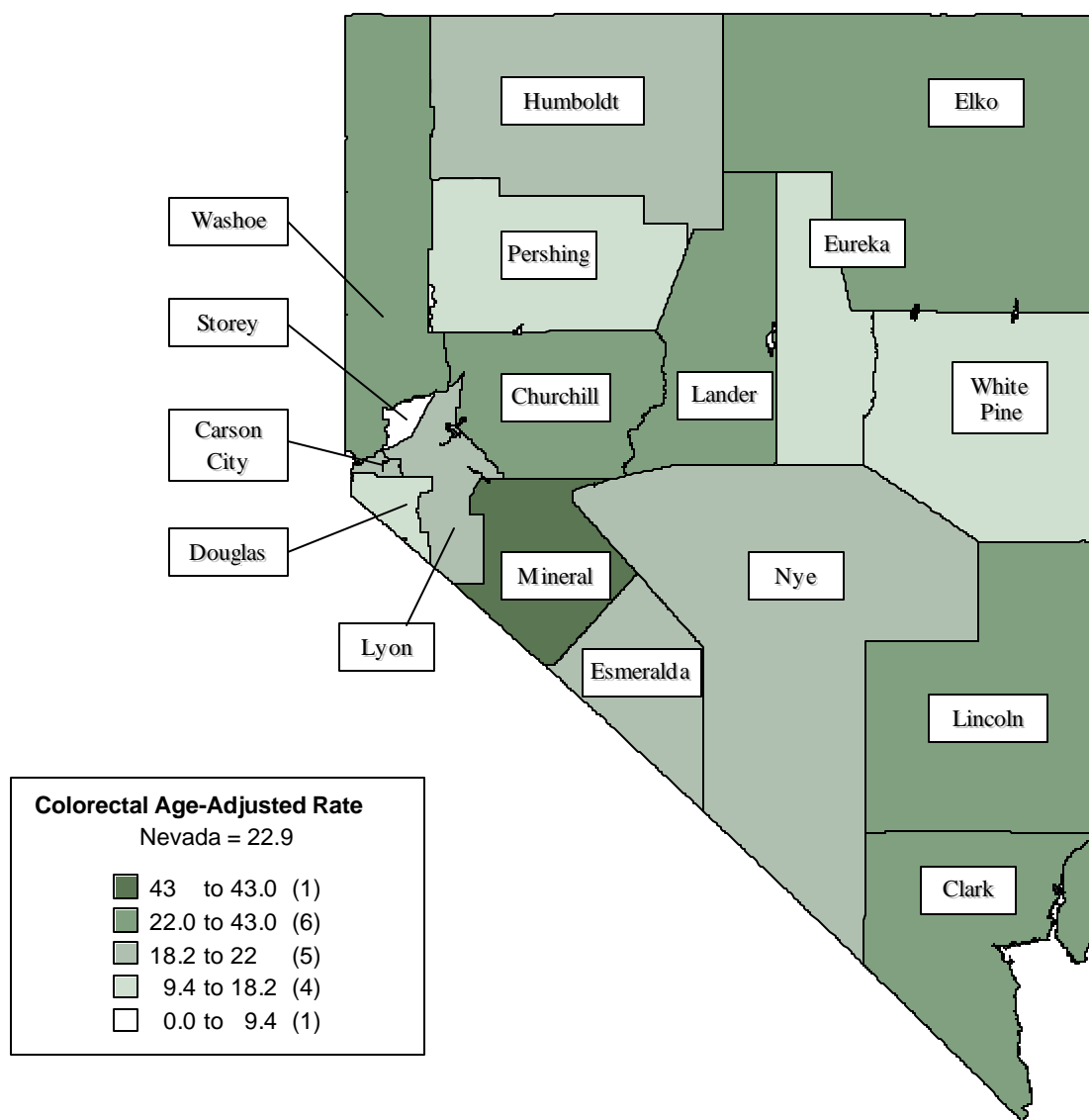
Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 120. Colorectal Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1997-2001

Age Group	Discharges	Charges (\$)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	0	---	---	---	---	---	---
1-4	0	---	---	---	---	---	---
5-14	1	---	---	---	---	---	---
15-24	2	---	---	---	---	---	---
25-34	31	1,048,962	33,837	21,826	280	9.0	6.0
35-44	121	3,756,150	31,043	27,498	947	7.8	7.0
45-54	414	13,627,471	32,917	25,617	3,384	8.2	7.0
55-64	824	27,131,697	32,927	26,750	6,558	8.0	7.0
65-74	1,347	44,529,624	33,058	25,389	10,592	7.9	7.0
75-84	1,138	42,906,514	37,703	27,321	10,399	9.1	7.0
85+	318	12,075,184	37,972	28,894	3,137	9.9	8.0
Unknown	0	---	---	---	---	---	---
Total	4,196	349,189	4,034	33,381	68	4,034.0	8.6

MORTALITY

Figure 83. Colorectal Cancer Age-Adjusted (2001) Mortality Rates, Nevada Residents, 1997-2001



Note: Rates are per 100,000 population and age-adjusted to 2001 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 84. Colorectal Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1997-2001

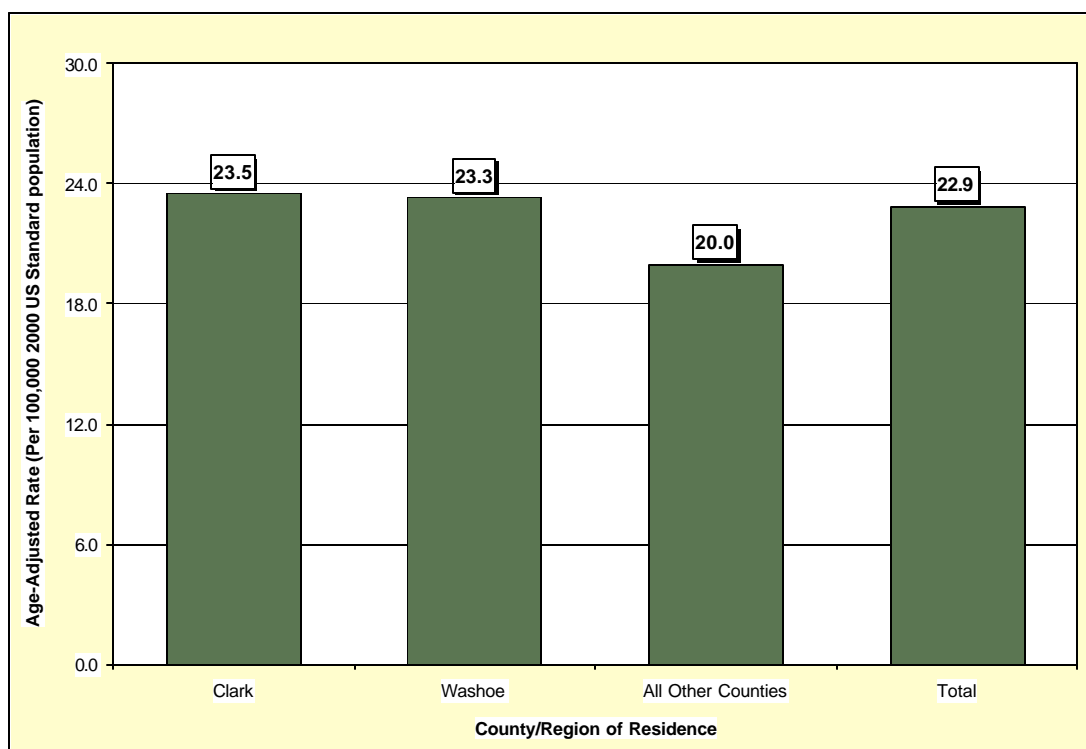


Figure 85. Colorectal Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1997-2001

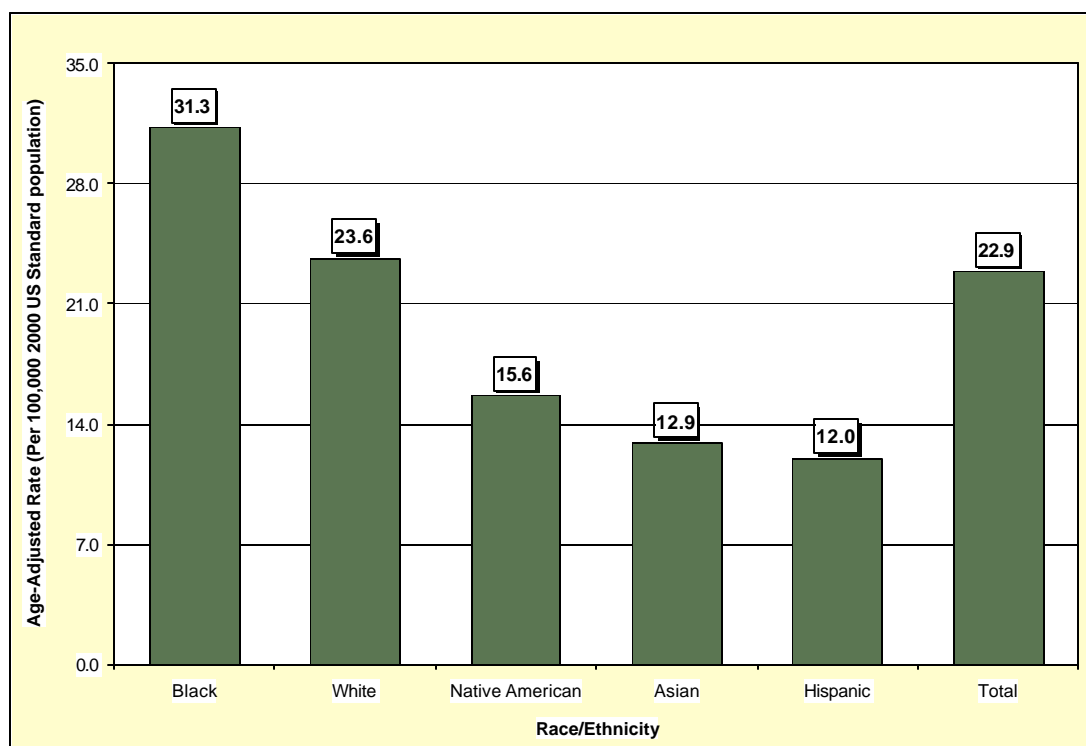


Table 121. Colorectal Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	1,891	1,291	328	272
Rate*	22.9	23.5	23.3	20.0
95% C.I.	(21.8-24.0)	(22.2-24.9)	(20.8-26.1)	(17.6-22.6)
Gender				
Male	1,055	719	198	138
Rate*	27.3	28.1	31.2	20.6
95% C.I.	(25.5-29.2)	(25.9-30.6)	(26.8-36.4)	(17.2-24.7)
Female	836	572	130	134
Rate*	19.1	19.7	17.0	18.8
95% C.I.	(17.8-20.4)	(18.1-21.4)	(14.2-20.2)	(15.7-22.3)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	1,650	1,093	300	257
Rate*	23.6	24.5	24.1	20.4
95% C.I.	(22.5-24.8)	(23.0-26.0)	(21.4-27.0)	(17.9-23.2)
Black	120	115	4	1
Rate*	31.3	32.7	---	---
95% C.I.	(25.5-38.4)	(26.5-40.4)	---	---
Native American	13	4	6	3
Rate*	15.6	---	---	---
95% C.I.	(8.0-28.6)	---	---	---
Asian	45	33	10	2
Rate*	12.9	10.7	22.2	---
95% C.I.	(8.8-19.9)	(7.2-18.2)	(8.4-55.0)	---
Hispanic	62	45	8	9
Rate*	12.0	11.2	---	---
95% C.I.	(8.8-16.4)	(7.6-16.5)	---	---
Other/Unknown	1	1	0	0

Note: The "----" is used for rates calculated on numbers less than ten.

*Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 122. Colorectal Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	1,891	1,291	328	272
Rate*	19.4	19.4	19.5	19.5
95% C.I.	(18.5-20.3)	(18.3-20.4)	(17.4-21.7)	(17.2-21.8)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	0	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	9	8	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	52	37	13	2
Rate*	3.3	3.5	4.6	---
95% C.I.	(2.4-4.2)	(2.4-4.7)	(2.1-7.1)	---
45-54	128	97	20	11
Rate*	10.0	11.5	8.5	5.5
95% C.I.	(8.2-11.7)	(9.2-13.7)	(4.8-12.2)	(2.2-8.7)
55-64	320	223	56	41
Rate*	34.9	35.9	37.3	28.4
95% C.I.	(31.1-38.8)	(31.2-40.6)	(27.5-47.1)	(19.7-37.1)
65-74	598	410	103	85
Rate*	93.1	94.8	100.5	79.3
95% C.I.	(85.6-100.6)	(85.6-104.0)	(81.1-119.9)	(62.4-96.1)
75-84	557	375	90	92
Rate*	158.6	160.6	155.6	153.6
95% C.I.	(145.4-171.7)	(144.3-176.8)	(123.5-187.8)	(122.2-185.0)
85+	226	141	45	40
Rate*	296.4	302.0	290.2	285.1
95% C.I.	(257.8-335.1)	(252.1-351.8)	(205.4-374.9)	(196.7-373.4)
Unknown	0	0	0	0

Note: The "—" is used for rates calculated on numbers less than ten.

* Rates are per 100,000 age-specific population.

Table 123. Colorectal Cancer Mortality by County of Residence, Nevada Residents, 1997-2001

County of Residence	1997-2001 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	57	22.9	(16.9-28.8)	19.8	(14.9-25.8)
Churchill	25	20.7	(12.6-28.9)	22.8	(14.7-34.2)
Clark	1,291	19.4	(18.3-20.4)	23.5	(22.2-24.9)
Douglas	32	15.6	(10.2-21.0)	14.2	(9.5-21.0)
Elko	27	11.7	(7.3-16.1)	28.7	(18.4-43.0)
Esmeralda	1	---	---	---	---
Eureka	1	---	---	---	---
Humboldt	10	11.9	(4.5-19.3)	19.9	(9.2-38.4)
Lander	7	---	---	---	---
Lincoln	6	---	---	---	---
Lyon	35	20.6	(13.8-27.4)	19.4	(13.3-27.6)
Mineral	14	53.1	(25.3-80.8)	43.0	(23.2-77.9)
Nye	46	29.3	(20.8-37.7)	20.6	(14.8-28.8)
Pershing	3	---	---	---	---
Storey	0	---	---	---	---
Washoe	328	19.5	(17.4-21.7)	23.3	(20.8-26.1)
White Pine	8	---	---	---	---
Unknown	0	---	---	---	---
Total	1,891	19.4	(18.5-20.3)	22.9	(21.8-24.0)

Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 124. Colorectal Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity		Gender		
		Male	Female	Total
White	Mortality	917	733	1,650
	Rate*	27.9	19.8	23.6
	95% C.I.	(26.0-30.0)	(18.4-21.4)	(22.5-24.8)
Black	Mortality	70	50	120
	Rate*	41.0	23.7	31.3
	95% C.I.	(30.4-55.8)	(17.3-32.1)	(25.5-38.4)
Native American	Mortality	7	6	13
	Rate*	---	---	15.6
	95% C.I.	---	---	(8.0-28.6)
Asian	Mortality	25	20	45
	Rate*	16.6	10.2	12.9
	95% C.I.	(10.4-29.8)	(5.1-21.2)	(8.8-19.9)
Hispanic	Mortality	36	26	62
	Rate*	14.8	9.6	12.0
	95% C.I.	(9.4-23.8)	(5.9-15.2)	(8.8-16.4)
Other/Unknown		0	1	1
Total	Mortality	1,055	836	1,891
	Rate*	27.3	19.1	22.9
	95% C.I.	(25.5-29.2)	(17.8-20.4)	(21.8-24.0)

Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 125. Colorectal Cancer Mortality by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	1	1
Rate*	---	---	---
95% C.I.	---	---	---
25-34	2	7	9
Rate*	---	---	---
95% C.I.	---	---	---
35-44	29	23	52
Rate*	3.6	3.1	3.3
95% C.I.	(2.3-4.9)	(1.8-4.3)	(2.4-4.2)
45-54	72	56	128
Rate*	11.1	8.8	10.0
95% C.I.	(8.5-13.6)	(6.5-11.2)	(8.2-11.7)
55-64	205	115	320
Rate*	45.1	24.9	34.9
95% C.I.	(38.9-51.2)	(20.4-29.5)	(31.1-38.8)
65-74	368	230	598
Rate*	116.1	70.7	93.1
95% C.I.	(104.2-128.0)	(61.6-79.8)	(85.6-100.6)
75-84	296	261	557
Rate*	186.7	135.4	158.6
95% C.I.	(165.4-208.0)	(119.0-151.8)	(145.4-171.7)
85+	83	143	226
Rate*	335.4	277.7	296.4
95% C.I.	(263.2-407.6)	(232.2-323.2)	(257.8-335.1)
Unknown	0	0	0
Total	1,055	836	1,891
Rate*	21.3	17.5	19.4
95% C.I.	(20.0-22.6)	(16.3-18.6)	(18.5-20.3)

Note: The "—" is used for rates calculated on numbers less than ten.

* Rates are per 100,000 age-specific population.

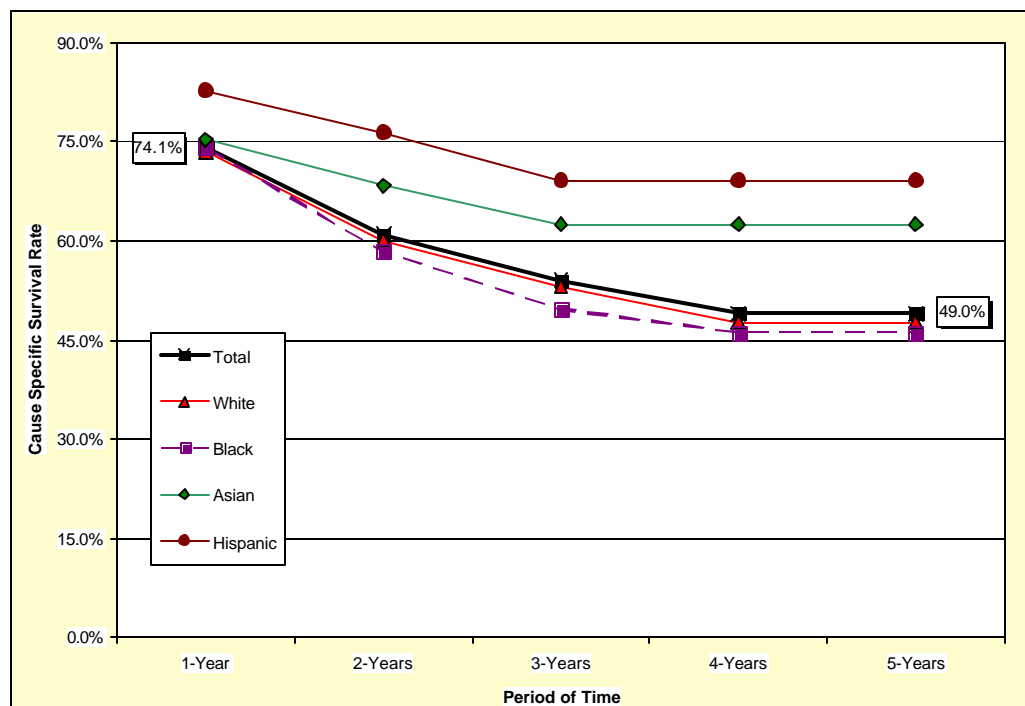
Table 126. Median Age at Death from Colorectal Cancer by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity	Gender					
	Male		Female		Total	
	Deaths	Median Age	Deaths	Median Age	Deaths	Median Age
White	917	71.0	733	75.0	1,650	72.0
Black	70	66.5	50	68.0	120	67.0
Native American	7	56.0	6	75.0	13	68.0
Asian	25	69.0	20	59.5	45	66.0
Hispanic	36	66.5	26	70.0	62	69.0
Other/Unknown	0	---	1	---	1	---
Total	1,055	70.0	836	74.0	1,891	72.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 86. Survival Rates for Colorectal Cancer by Race/Ethnicity, Nevada Residents, 1997-2001



Notes: The survival rate for those racial/ethnic groups not included in this chart could not be calculated due to small cell size.

Figure 87. Survival Rates for Colorectal Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1997-2001

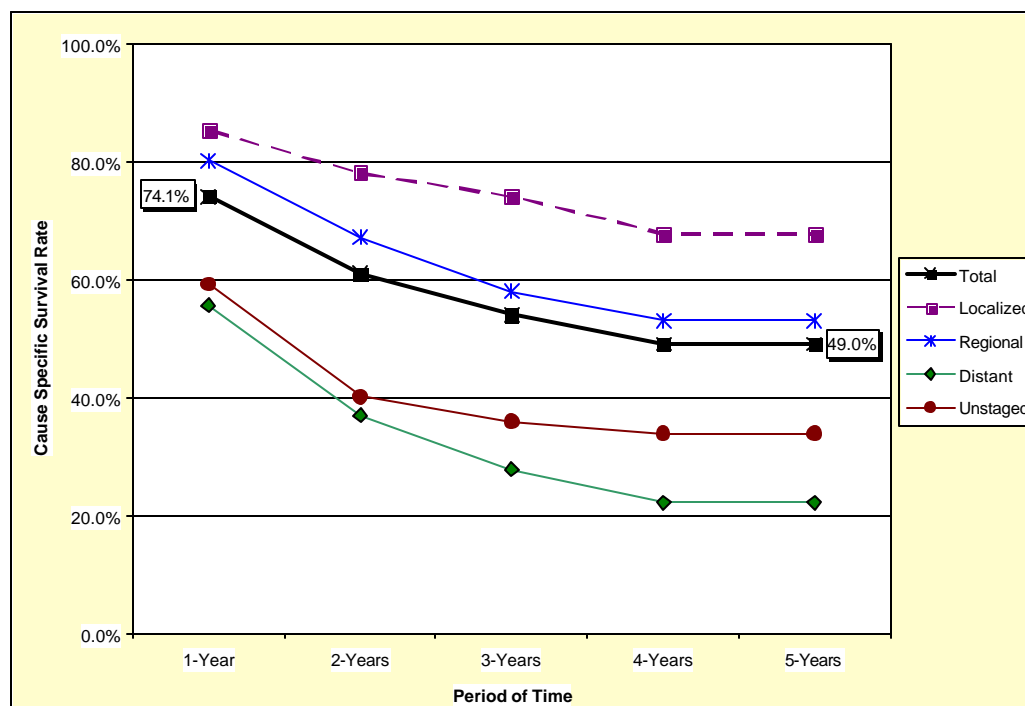


Table 127. Cause-Specific Survival Rates for Colorectal Cancer by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	3,404	74.1%	61.0%	54.0%	49.0%	49.0%	3.81
Male	1,820	73.2%	59.2%	51.8%	48.1%	48.1%	3.49
Female	1,584	75.2%	63.0%	56.7%	50.3%	50.3%	>5 years
Race/Ethnicity							
White	3,004	73.6%	60.0%	53.0%	47.6%	47.6%	3.56
Male	1,609	72.6%	57.9%	50.8%	46.9%	46.9%	3.20
Female	1,395	74.7%	62.6%	55.9%	48.5%	48.5%	3.80
Black	180	74.0%	58.3%	49.7%	46.1%	46.1%	2.96
Male	91	74.5%	62.6%	46.2%	36.0%	36.0%	2.77
Female	89	73.6%	54.9%	51.4%	51.4%	51.4%	>5 years
Native American	10	---	---	---	---	---	---
Male	6	---	---	---	---	---	---
Female	4	---	---	---	---	---	---
Asian	85	75.4%	68.4%	62.4%	62.4%	62.4%	>5 years
Male	46	---	---	---	---	---	---
Female	39	---	---	---	---	---	---
Hispanic	99	82.7%	76.4%	69.1%	69.1%	69.1%	>5 years
Male	57	82.8%	75.3%	68.4%	68.4%	68.4%	>5 years
Female	42	---	---	---	---	---	---

Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 128. Cause-Specific Survival Rates for Colorectal Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1997-2001

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	3,404	1,820	1,584
	One Year	74.1%	73.2%	75.2%
	5 Years	49.0%	48.1%	50.3%
	Median Survival	3.81	3.49	>5 years
Stage at Diagnosis				
In situ	Cases	0	0	0
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Localized	Cases	1,063	566	497
	One Year	85.3%	84.8%	85.8%
	5 Years	67.8%	69.3%	65.9%
	Median Survival	>5 years	>5 years	>5 years
Regional	Cases	1,274	658	616
	One Year	80.1%	80.6%	79.6%
	5 Years	53.0%	52.3%	54.1%
	Median Survival	>5 years	>5 years	>5 years
Distant	Cases	650	371	279
	One Year	55.6%	53.9%	57.8%
	5 Years	22.2%	21.3%	22.8%
	Median Survival	1.30	1.21	1.43
Unstaged	Cases	417	225	192
	One Year	59.2%	56.8%	62.2%
	5 Years	33.9%	30.0%	39.2%
	Median Survival	1.48	1.30	1.88

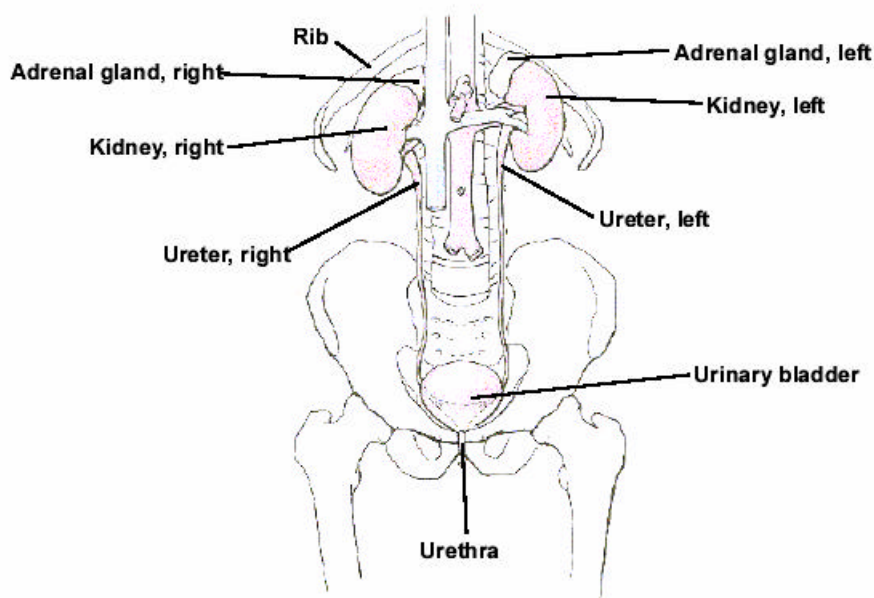
Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

URINARY BLADDER CANCER

URINARY BLADDER CANCER

GENERAL PROFILE⁴

Figure 88. Anatomy of the Urinary System⁵



General Anatomy: The bladder is a hollow organ in the lower abdomen. It stores urine, the liquid waste produced by the kidneys. Urine passes from each kidney into the bladder through a tube called a ureter. An outer layer of muscle surrounds the inner lining of the bladder. When the bladder is full, the muscles in the bladder wall can tighten to allow urination. Urine leaves the bladder through another tube, the urethra.

Risk Factors: Age, tobacco use, occupation (due to amount of carcinogens in the workplace), infection, treatment with cyclophosphamide or arsenic, race, being a man, family history, and personal history with Bladder Cancer.

Signs and Symptoms: Blood in the urine (making the urine slightly rusty to deep red), pain during urination, and frequent urination, or feeling the need to urinate without results.

Diagnosing the Cancer: Physical exams, urine tests, intravenous pyelogram, and cystoscopy.

Treatment: Treatment options include: surgery (Transurethral resection, Radical cystectomy, and Segmental cystectomy), radiation therapy (internal or external), chemotherapy, and biological therapy.

HIGHLIGHTS

- Nevadan males had a considerably higher ratio than females when the incidence and mortality age-adjusted rates for Urinary Bladder Cancer were compared. Males had a ratio of 5.44 while the ratio for females was 4.43. This means that for every death due to Urinary Bladder Cancer there would be 5.44 male cases while only 4.43 cases for every female death.
- The median age at diagnosis of Urinary Bladder Cancer for Nevada residents and males was 70 years of age for Nevada Residents from 1997 to 2001 while the median age for females was 71 years. However, the median age at time of death due to Urinary Bladder Cancer was 75 years for Nevada overall, 77 years for females and 74 years of age for males.

INCIDENCE

- There were 2,068 cases of Urinary Bladder Cancer reported in Nevada from 1997 to 2001. Nevada's age-adjusted incidence rate (23.9) for Urinary Bladder Cancer was only slightly higher than the National rate of 20.4 (per 100,000 – 2000 US Standard population).
- While there was little regional variation between All Other Counties (24.7), Clark County (23.8), Washoe County (23.1), and in the age-adjusted incidence rate for Urinary Bladder Cancer, the rate for males (39.3) was more than three times the rate for Nevada females (11.0, per 100,000 – 2000 US Standard population) for the 1997 to 2001 period.
- Similar to the National rates, Nevada Whites, as a racial/ethnic group, had an age-adjusted incidence rate (26.0, per 100,000 – 2000 US Standard population) nearly double the rates for all other racial/ethnic groups from 1997 to 2001.

INPATIENT HOSPITAL DISCHARGES

- Billed charges from Urinary Bladder Cancer inpatient hospital discharges accounted for over 32.3 million dollars from 1997 to 2001. Nevadans in the 65-74 and 75-84 age groups accounted for 66.2% of the total inpatient discharges and 66.4% of the total billed charges during this period. The overall daily billed amount for these discharges was over \$4,872 in Nevada during this period.
- There were 1,022 Inpatient Discharges for Urinary Bladder Cancer to Nevada residents in Nevada from 1997 to 2001. Clark County had the highest age-adjusted inpatient discharge rate, 12.8 (11.9-13.9), for Urinary Bladder Cancer in Nevada, and showed statistical significance over the Washoe County rate of 10.1 (8.5-11.9) who had the lowest age-adjusted inpatient discharge rate during the 1997 to 2001 period.
- The median total billed charges in Nevada for inpatient discharges due to Urinary Bladder Cancer were \$17,544 from 1997 to 2001. Washoe County had the highest median

total billed charge, \$19,622, when compared to the billed amounts for Clark County and All Other Counties of \$17,949 and \$15,362.

MORTALITY

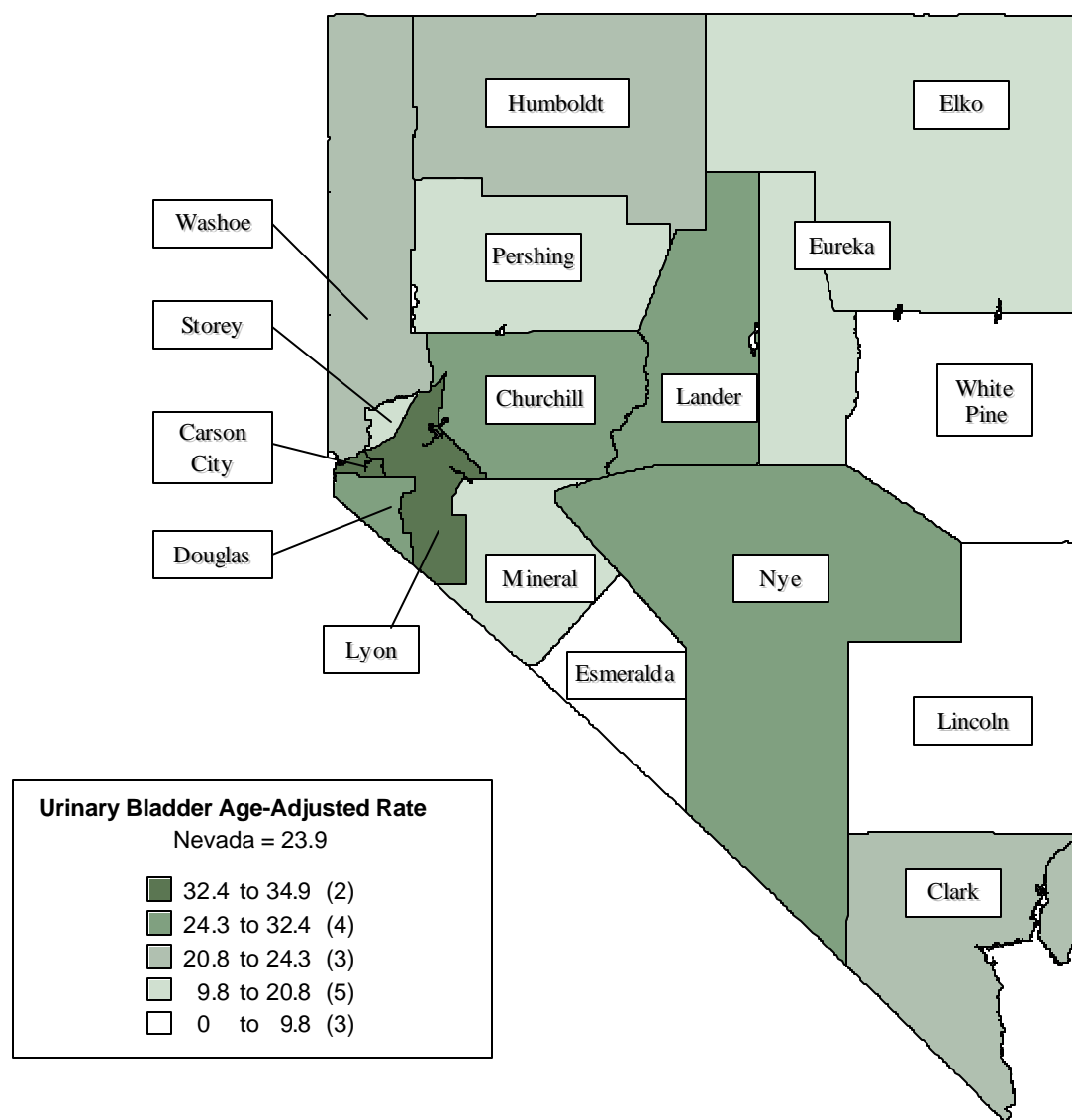
- There were 401 resident deaths due to Urinary Bladder Cancer from 1997 to 2001. Regional comparisons were fairly similar between Clark, All Other Counties and, Washoe, as a region, with rates of 5.3, 4.9 and 4.5 (per 100,000 – 2000 US Standard population), respectively.
- Nevadan males had a 34.4% higher statistically significant age-adjusted mortality rate, 8.3 (7.3-9.5), for Urinary Bladder Cancer when compared to the female rate of 2.7 (2.2-3.2) (per 100,000 – 2001 US Standard population) for the 1997 to 2001 period.

SURVIVAL RATE

- Nevada's one-year survival rate for males with Urinary Bladder Cancer was higher than the rate for females during the 1997 to 2001 period, with rates of 83.0% and 79.2%, respectively. This difference lessened by the five-year rate where males had a rate of 60.5% and females had a rate of 59.5%.
- The one-year survival rate for those diagnosed with Urinary Bladder Cancer at the in situ stage was 94.6%, with those at the localized stage at 82.3%, and those recorded at the regional, distant and unstaged stages had rates of 70.7%, 42.5% and 70.1%, respectively.
- The median survival time for those diagnosed at the in situ and localized stages was over five years, while those diagnosed at the regional, distant and unstaged levels had median survival times of 2.61, 0.87 and 3.90 years, respectively.

INCIDENCE

Figure 89. Urinary Bladder Cancer Age-Adjusted (2001) Incidence Rates, Nevada Residents, 1997-2001



Note: Rates are per 100,000 population and age-adjusted to 2001 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 90. Urinary Bladder Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1997-2001

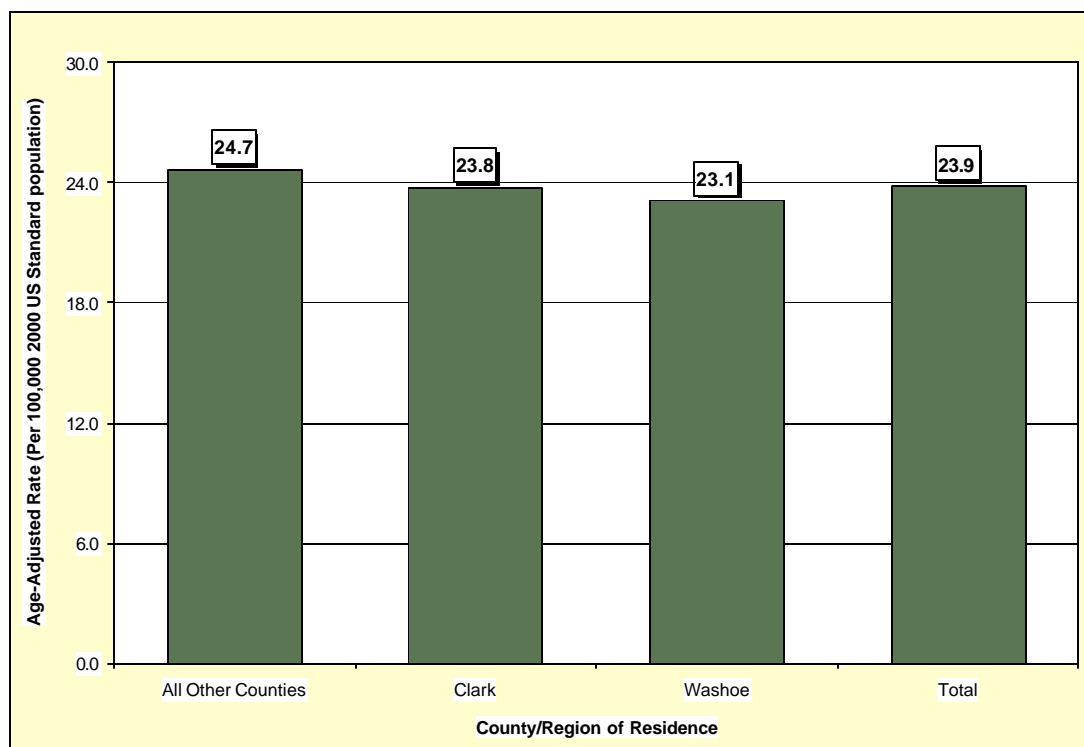


Figure 91. Urinary Bladder Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1997-2001

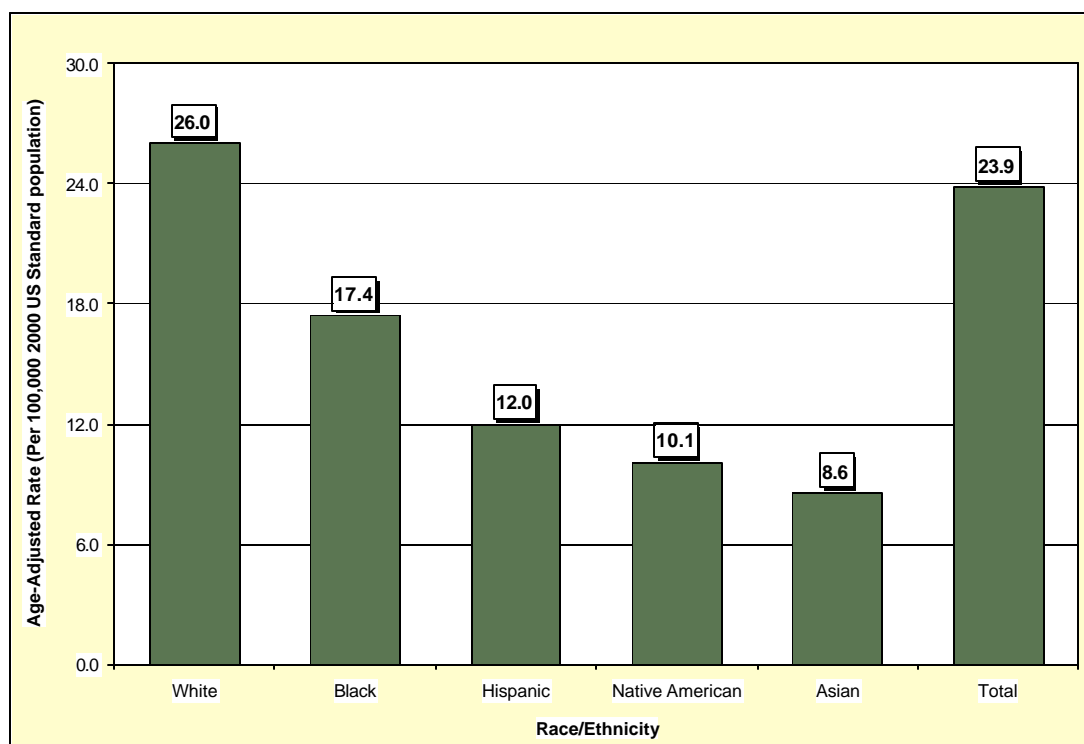


Table 129. Urinary Bladder Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1997-2001)
Total						
Cases	2,068	1,376	337	354	1	34,766
Rate*	23.9	23.8	23.1	24.7	---	20.4
95% C.I.	(22.8-24.9)	(22.5-25.1)	(20.7-25.8)	(22.1-27.5)	---	(20.2-20.6)
Gender						
Male	1,567	1,044	248	274	1	25,847
Rate*	39.3	38.9	38.0	41.2	---	36.1
95% C.I.	(37.2-41.5)	(36.4-41.7)	(33.2-43.6)	(36.2-46.9)	---	(35.7-36.6)
Female	501	332	89	80	0	8,919
Rate*	11.0	11.0	11.4	10.6	---	9.1
95% C.I.	(10.0-12.0)	(9.8-12.3)	(9.1-14.0)	(8.4-13.3)	---	(8.9-9.3)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	1,897	1,255	308	334	0	31,167
Rate*	26.0	26.7	24.1	25.3	---	22.5
95% C.I.	(24.9-27.3)	(25.2-28.3)	(21.4-27.0)	(22.6-28.3)	---	(22.2-22.7)
Black	68	53	7	8	0	1,678
Rate*	17.4	15.2	---	---	---	12.6
95% C.I.	(13.3-22.7)	(11.2-20.7)	---	---	---	(12.0-13.2)
Native American	9	4	4	0	1	79
Rate*	---	---	---	---	---	5.6
95% C.I.	---	---	---	---	---	(4.4-4.4)
Asian	22	14	4	4	0	1,573
Rate*	8.6	6.4	---	---	---	9.6
95% C.I.	(4.6-15.9)	(2.8-14.6)	---	---	---	(9.1-10.1)
Hispanic	63	41	14	8	0	1,574
Rate*	12.0	9.9	19.1	---	---	10.5
95% C.I.	(8.8-16.4)	(6.5-14.9)	(9.4-37.9)	---	---	(10.0-11.1)
Other/Unknown	9	9	0	0	0	269

* Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten and SEER numbers less than five. Caution should be used when comparing rates for racial/ethnic groups to the National (SEER) rates. See Technical Notes for more information.

Table 130. Urinary Bladder Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1997-2001)
Total						
Cases	2,068	1,376	337	354	1	34,766
Rate*	21.2	20.7	20.1	25.3	---	18.8
95% C.I.	(20.3-22.2)	(19.6-21.7)	(17.9-22.2)	(22.7-28.0)	---	(18.6-19.0)
Age Group						
<1	2	0	2	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	1	1	0	0	0	6
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	0	0	0	0	0	7
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
15-24	3	3	0	0	0	42
Rate*	---	---	---	---	---	0.2
95% C.I.	---	---	---	---	---	(0.1-0.2)
25-34	12	8	4	0	0	188
Rate*	0.8	---	---	---	---	0.6
95% C.I.	(0.4-1.3)	---	---	---	---	(0.6-0.7)
35-44	48	28	8	11	1	882
Rate*	3.1	2.7	---	4.9	---	2.8
95% C.I.	(2.2-4.0)	(1.7-3.7)	---	(2.0-7.7)	---	(2.6-3.0)
45-54	167	109	34	24	0	2,813
Rate*	13.0	12.9	14.4	12.0	---	12.3
95% C.I.	(11.0-15.0)	(10.5-15.3)	(9.5-19.2)	(7.2-16.7)	---	(11.8-12.7)
55-64	390	266	57	67	0	5,731
Rate*	42.6	42.8	38.0	46.4	---	40.9
95% C.I.	(38.3-46.8)	(37.7-47.9)	(28.1-47.8)	(35.3-57.5)	---	(39.9-42.0)
65-74	717	471	118	128	0	10,371
Rate*	111.6	108.9	115.1	119.4	---	89.9
95% C.I.	(103.5-119.8)	(99.1-118.7)	(94.3-135.9)	(98.7-140.1)	---	(88.2-91.6)
75-84	588	410	84	94	0	10,921
Rate*	167.4	175.6	145.3	156.9	---	150.2
95% C.I.	(153.9-180.9)	(158.6-192.5)	(114.2-176.3)	(125.2-188.6)	---	(147.4-153.1)
85+	139	80	29	30	0	3,803
Rate*	182.3	171.3	187.0	213.8	---	153.3
95% C.I.	(152.0-212.6)	(133.8-208.9)	(118.9-255.0)	(137.3-290.3)	---	(148.5-158.2)
Unknown	1	0	1	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 131. Urinary Bladder Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1997-2001

County of Residence at Diagnosis	1997-2001 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	102	40.9	(33.0-48.9)	34.9	(28.4-42.6)
Churchill	28	23.2	(14.6-31.8)	24.4	(16.1-35.8)
Clark	1,376	20.7	(19.6-21.7)	23.8	(22.5-25.1)
Douglas	65	31.7	(24.0-39.4)	28.5	(21.6-37.4)
Elko	11	4.8	(1.9-7.6)	9.8	(4.4-19.3)
Esmeralda	0	---	---	---	---
Eureka	1	---	---	---	---
Humboldt	13	15.5	(7.1-23.9)	20.9	(10.6-38.5)
Lander	5	---	---	---	---
Lincoln	2	---	---	---	---
Lyon	63	37.0	(27.9-46.2)	32.5	(24.8-42.2)
Mineral	5	---	---	---	---
Nye	51	32.4	(23.5-41.4)	24.5	(17.8-33.6)
Pershing	3	---	---	---	---
Storey	2	---	---	---	---
Washoe	337	20.1	(17.9-22.2)	23.1	(20.7-25.8)
White Pine	3	---	---	---	---
Unknown	1	---	---	---	---
Total	2,068	21.2	(20.3-22.2)	23.9	(22.8-24.9)

Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 132. Urinary Bladder Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity		Gender			
		Male	Female	Other/Unknown	Total
White	Incidence	1,434	463	0	1,897
	Rate*	42.3	12.2	---	26.0
	95% C.I.	(40.0-44.8)	(11.1-13.4)	---	(24.9-27.3)
Black	Incidence	49	19	0	68
	Rate*	26.7	9.4	---	17.4
	95% C.I.	(19.1-38.2)	(5.5-15.3)	---	(13.3-22.7)
Native American	Incidence	8	1	0	9
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	15	7	0	22
	Rate*	14.4	---	---	8.6
	95% C.I.	(6.4-30.6)	---	---	(4.6-15.9)
Hispanic	Incidence	52	11	0	63
	Rate*	22.1	4.4	---	12.0
	95% C.I.	(14.9-32.8)	(2.0-8.8)	---	(8.8-16.4)
Other/Unknown		9	0	0	9
Total	Incidence	1,567	501	0	2,068
	Rate*	39.3	11.0	---	23.9
	95% C.I.	(37.2-41.5)	(10.0-12.0)	---	(22.8-24.9)

Note: The "—" is used for rates calculated on numbers less than ten.

*Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 133. Urinary Bladder Cancer Cases by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender			
	Male	Female	Other/ Unknown	Total
<1	2	0	0	2
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	1	0	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	2	0	3
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	8	4	0	12
Rate*	---	---	---	0.8
95% C.I.	---	---	---	(0.4-1.3)
35-44	33	15	0	48
Rate*	4.1	2.0	---	3.1
95% C.I.	(2.7-5.5)	(1.0-3.0)	---	(2.2-4.0)
45-54	127	40	0	167
Rate*	19.5	6.3	---	13.0
95% C.I.	(16.1-22.9)	(4.4-8.3)	---	(11.0-15.0)
55-64	308	82	0	390
Rate*	67.7	17.8	---	42.6
95% C.I.	(60.1-75.3)	(13.9-21.6)	---	(38.3-46.8)
65-74	558	159	0	717
Rate*	176.1	48.9	---	111.6
95% C.I.	(161.4-190.7)	(41.3-56.5)	---	(103.5-119.8)
75-84	432	156	0	588
Rate*	272.5	80.9	---	167.4
95% C.I.	(246.8-298.2)	(68.2-93.6)	---	(153.9-180.9)
85+	96	43	0	139
Rate*	387.9	83.5	---	182.3
95% C.I.	(310.3-465.5)	(58.6-108.5)	---	(152.0-212.6)
Unknown	1	0	0	1
Total	1,567	501	0	2,068
Rate*	31.7	10.5	---	21.2
95% C.I.	(30.1-33.2)	(9.5-11.4)	---	(20.3-22.2)

Note: The “---” is used for rates calculated on numbers less than ten.

* Rates are per 100,000 age-specific population.

Table 134. Urinary Bladder Cancer Cases by Age Group and Stage, Nevada Residents, 1997-2001

Age Group		Stage				
		In situ	Localized	Regional	Distant	Unstaged
<1	Number	0	1	0	0	1
	Percent	---	50.0%	---	---	50.0%
1-4	Number	0	0	0	0	1
	Percent	---	---	---	---	100.0%
5-14	Number	0	0	0	0	0
	Percent	---	---	---	---	---
15-24	Number	2	1	0	0	0
	Percent	66.7%	33.3%	---	---	---
25-34	Number	3	6	0	1	2
	Percent	25.0%	50.0%	---	8.3%	16.7%
35-44	Number	14	27	2	2	3
	Percent	29.2%	56.3%	4.2%	4.2%	6.3%
45-54	Number	68	73	11	5	10
	Percent	40.7%	43.7%	6.6%	3.0%	6.0%
55-64	Number	113	183	44	17	33
	Percent	29.0%	46.9%	11.3%	4.4%	8.5%
65-74	Number	207	351	56	26	77
	Percent	28.9%	49.0%	7.8%	3.6%	10.7%
75-84	Number	162	291	55	14	66
	Percent	27.6%	49.5%	9.4%	2.4%	11.2%
85+	Number	33	67	9	4	26
	Percent	23.7%	48.2%	6.5%	2.9%	18.7%
Unknown	Number	0	1	0	0	0
	Percent	---	100.0%	---	---	---
Total	Number	602	1,001	177	69	219
	Percent	29.1%	48.4%	8.6%	3.3%	10.6%

Table 135. Urinary Bladder Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1997-2001

Stage		Race/Ethnicity					
		White	Black	Native American	Asian	Hispanic	Other/Unknown
In situ	Number	541	21	1	10	26	3
	Percent	28.5%	30.9%	11.1%	45.5%	41.3%	33.3%
Localized	Number	929	30	4	6	27	5
	Percent	49.0%	44.1%	44.4%	27.3%	42.9%	55.6%
Regional	Number	164	5	1	3	4	0
	Percent	8.6%	7.4%	11.1%	13.6%	6.3%	---
Distant	Number	62	4	0	1	2	0
	Percent	3.3%	5.9%	---	4.5%	3.2%	---
Unstaged	Number	201	8	3	2	4	1
	Percent	10.6%	11.8%	33.3%	9.1%	6.3%	11.1%
Total	Number	1,897	68	9	22	63	9
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

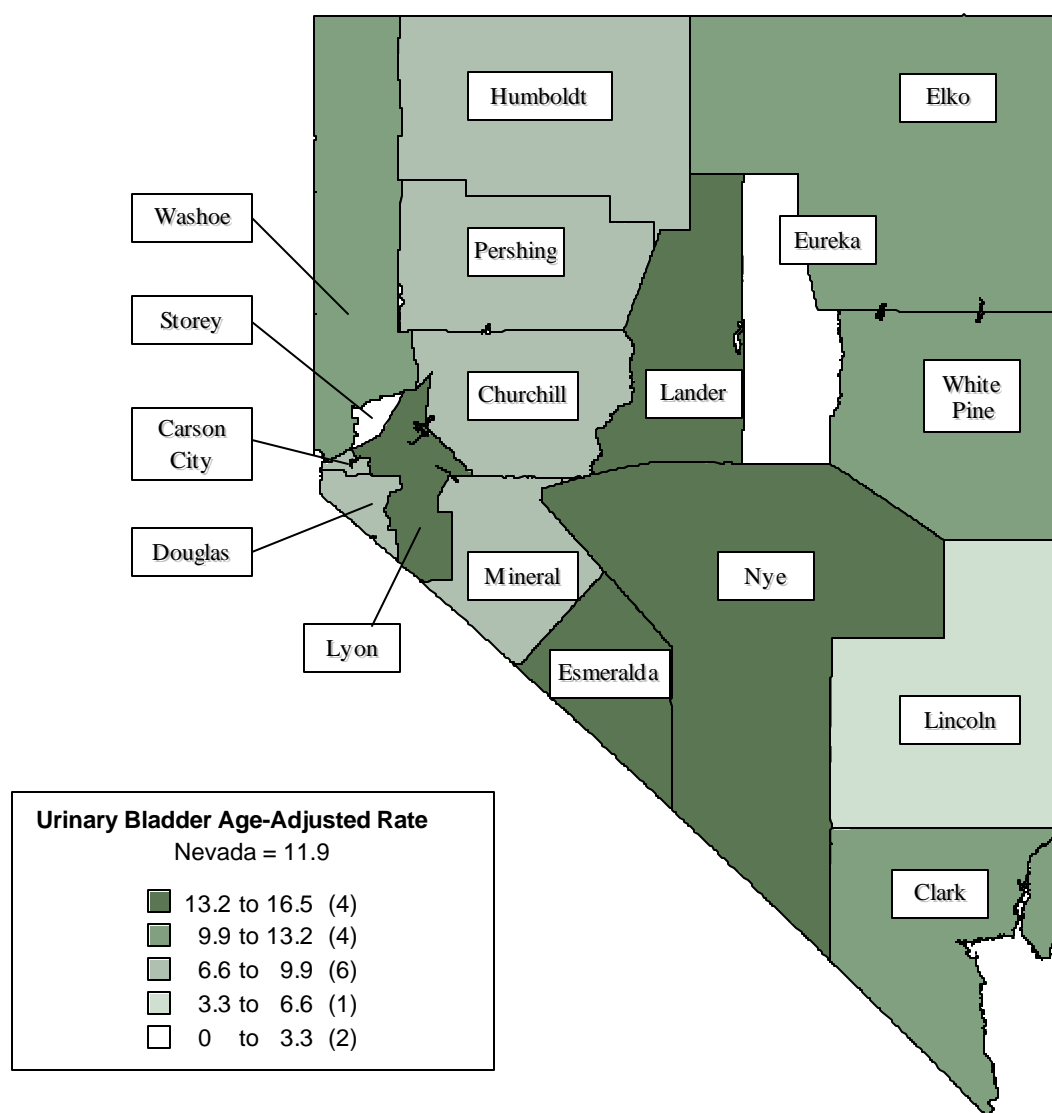
Table 136. Median Age at Diagnosis of Urinary Bladder Cancer by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity	Gender					
	Male		Female		Total	
	Incidence	Median Age	Incidence	Median Age	Incidence	Median Age
White	1,433	71.0	463	71.0	1,896	71.0
Black	49	69.0	19	74.0	68	69.0
Native American	8	66.0	1	---	9	61.0
Asian	15	71.0	7	76.0	22	72.0
Hispanic	52	65.0	11	70.0	63	67.0
Other/Unknown	9	70.0	0	---	9	70.0
Total	1,566	70.0	501	71.0	2,067	71.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

Figure 92. Urinary Bladder Cancer Age-Adjusted (2001) Inpatient Discharge Rates, Nevada Residents, 1997-2001



Note: Rates are per 100,000 population and age-adjusted to 2001 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical notes for more information.

Figure 93. Urinary Bladder Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1997-2001

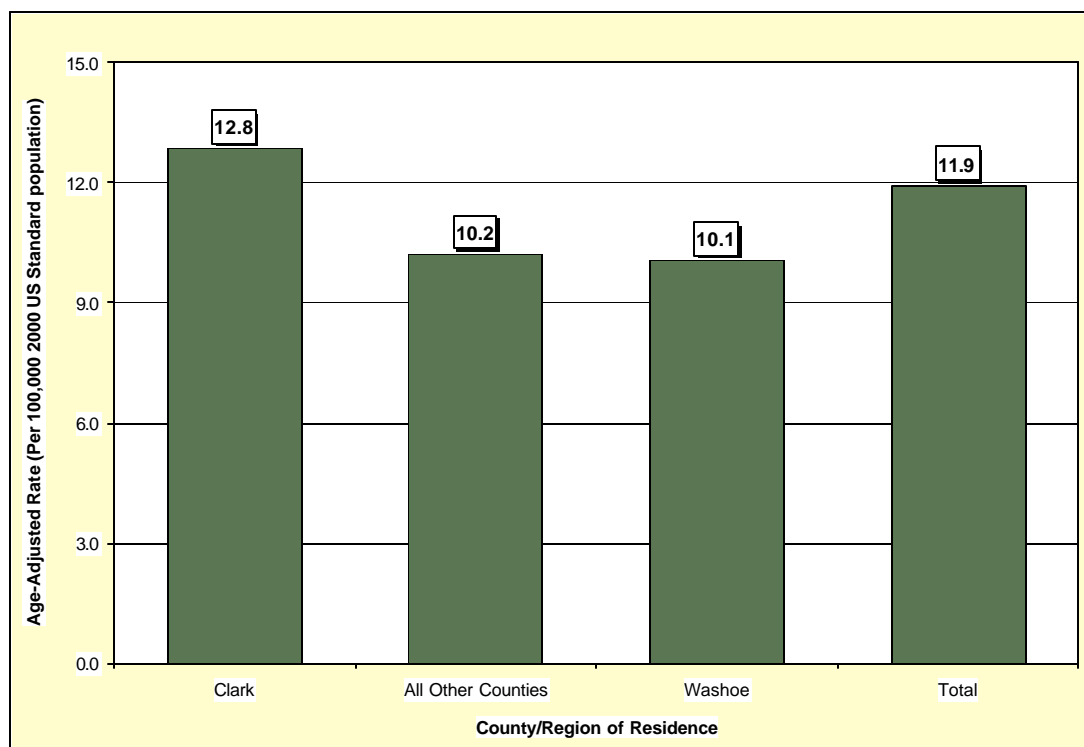


Figure 94. Median Charges for Urinary Bladder Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

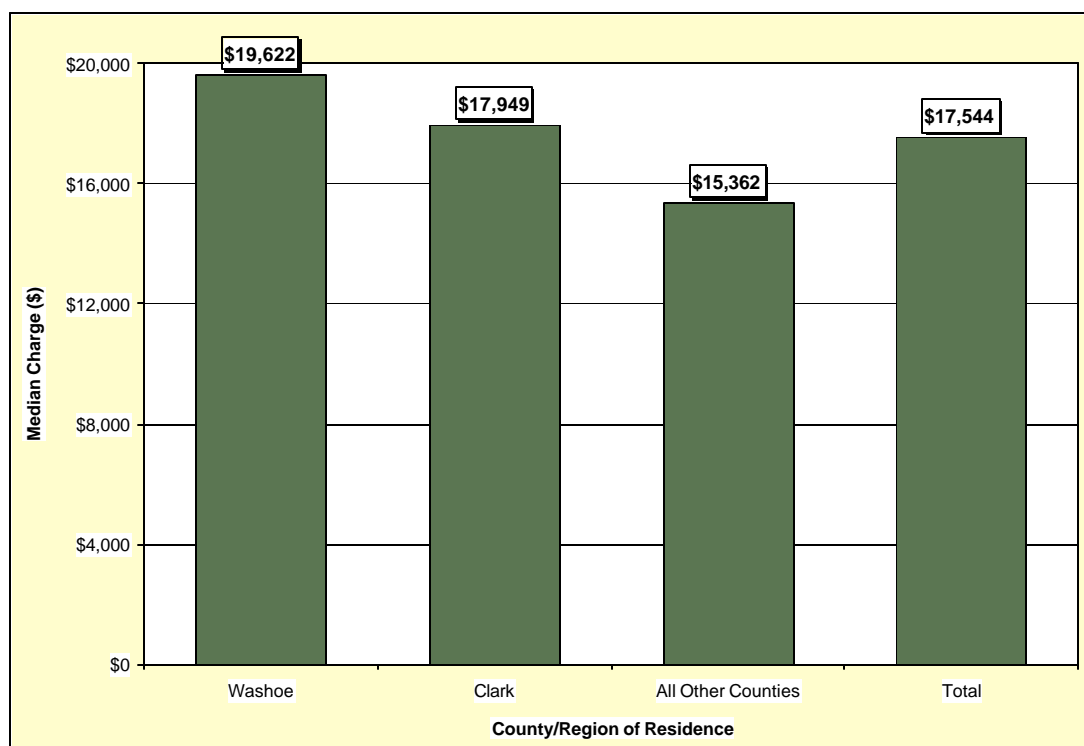


Figure 95. Average Length of Stay for Urinary Bladder Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

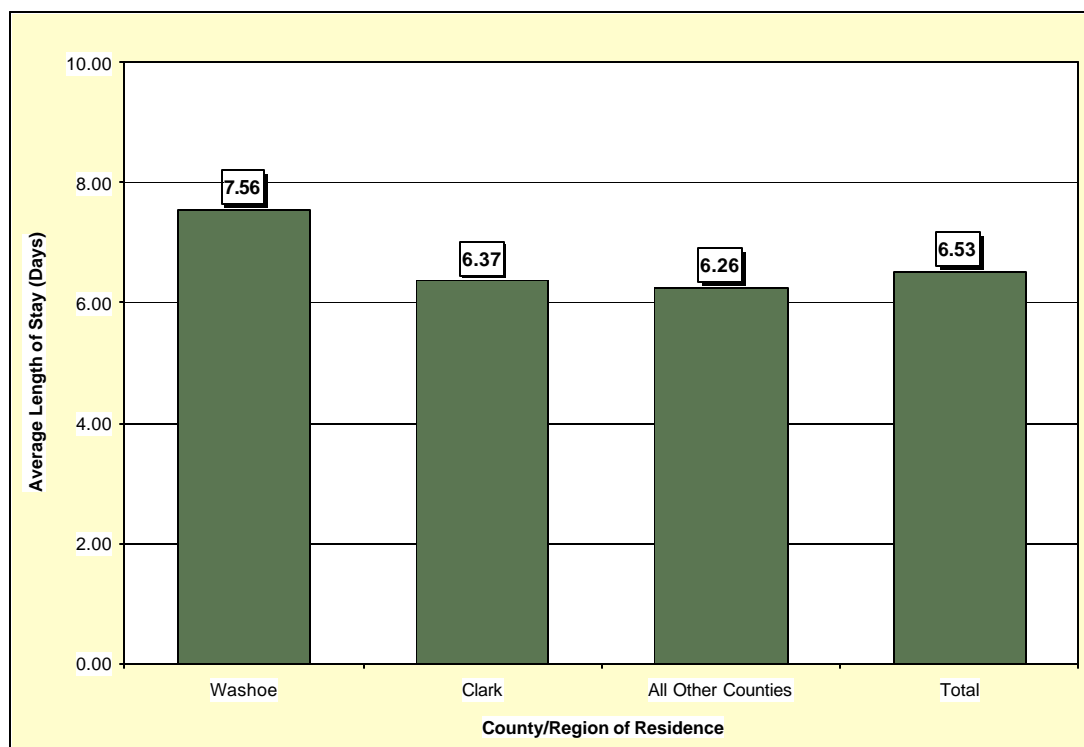


Table 137. Urinary Bladder Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	1,022	728	144	149	1
Rate*	11.9	12.8	10.1	10.2	---
95% C.I.	(11.2-12.7)	(11.9-13.9)	(8.5-11.9)	(8.6-12.1)	---
Gender					
Male	762	559	92	110	1
Rate*	19.4	21.6	14.2	16.3	---
95% C.I.	(17.9-21.0)	(19.7-23.7)	(11.3-17.7)	(13.2-20.0)	---
Female	260	169	52	39	0
Rate*	5.8	5.7	6.7	5.1	---
95% C.I.	(5.1-6.5)	(4.9-6.7)	(5.0-8.8)	(3.6-7.0)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$32,369,616	\$22,724,052	\$5,542,994	\$4,067,369	\$35,201
Average Charges	\$31,673	\$31,214	\$38,493	\$27,298	\$35,201
Median Charges	\$17,544	\$17,949	\$19,622	\$15,362	\$35,201
Discharge Length of Stay (LOS) (Days)					
Total LOS	6,672	4,639	1,088	933	12
Average LOS	6.5	6.4	7.6	6.3	12.0
Median LOS	4.0	4.0	5.5	4.0	12.0

* Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Note: The “---” is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 138. Urinary Bladder Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	1,022	728	144	149	1
Rate*	10.5	10.9	8.6	10.7	---
95% C.I.	(9.9-11.1)	(10.1-11.7)	(7.2-10.0)	(9.0-12.4)	---
Age Group					
<1	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
1-4	2	2	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
5-14	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
15-24	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
25-34	5	5	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
35-44	16	12	2	2	0
Rate*	1.0	1.1	---	---	---
95% C.I.	(0.5-1.5)	(0.5-1.8)	---	---	---
45-54	58	41	11	6	0
Rate*	4.5	4.8	4.7	---	---
95% C.I.	(3.4-5.7)	(3.4-6.3)	(1.9-7.4)	---	---
55-64	193	139	22	32	0
Rate*	21.1	22.4	14.7	21.3	---
95% C.I.	(18.1-24.0)	(18.6-26.1)	(8.5-20.8)	(13.9-28.7)	---
65-74	338	231	51	56	0
Rate*	52.6	53.4	49.7	54.6	---
95% C.I.	(47.0-58.2)	(46.5-60.3)	(36.1-63.4)	(40.3-68.9)	---
75-84	339	247	47	44	1
Rate*	96.5	105.8	81.3	76.1	---
95% C.I.	(86.2-106.8)	(92.6-118.9)	(58.0-104.5)	(53.6-98.6)	---
85+	71	51	11	9	0
Rate*	93.1	109.2	70.9	---	---
95% C.I.	(71.5-114.8)	(79.2-139.2)	(29.0-112.8)	---	---
Unknown	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 139. Urinary Bladder Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	2	0	2
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
25-34	3	2	5
Rate*	---	---	---
95% C.I.	---	---	---
35-44	11	5	16
Rate*	1.4	---	1.0
95% C.I.	(0.6-2.2)	---	(0.5-1.5)
45-54	37	21	58
Rate*	5.7	3.3	4.5
95% C.I.	(3.9-7.5)	(1.9-4.7)	(3.4-5.7)
55-64	156	37	193
Rate*	34.3	8.0	21.1
95% C.I.	(28.9-39.7)	(5.4-10.6)	(18.1-24.0)
65-74	259	79	338
Rate*	81.7	24.3	52.6
95% C.I.	(71.8-91.7)	(18.9-29.6)	(47.0-58.2)
75-84	247	92	339
Rate*	155.8	47.7	96.5
95% C.I.	(136.4-175.2)	(38.0-57.5)	(86.2-106.8)
85+	47	24	71
Rate*	189.9	46.6	93.1
95% C.I.	(135.6-244.2)	(28.0-65.3)	(71.5-114.8)
Unknown	0	0	0
Total	762	260	1,022
Rate*	15.4	5.4	10.5
95% C.I.	(14.3-16.5)	(4.8-6.1)	(9.9-11.1)

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 140. Urinary Bladder Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

County of Residence	1997-2001 Inpatient Hospital Discharges				
	Number	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	22	8.8	(5.1-12.5)	7.2	(4.5-11.2)
Churchill	11	9.1	(3.7-14.5)	9.5	(4.7-17.8)
Clark	728	10.9	(10.1-11.7)	12.8	(11.9-13.9)
Douglas	19	9.3	(5.1-13.4)	7.6	(4.5-12.8)
Elko	11	4.8	(1.9-7.6)	11.7	(5.5-22.2)
Esmeralda	1	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	4	---	---	---	---
Lander	2	---	---	---	---
Lincoln	1	---	---	---	---
Lyon	33	19.4	(12.8-26.0)	16.5	(11.3-23.8)
Mineral	4	---	---	---	---
Nye	32	20.4	(13.3-27.4)	15.0	(9.9-22.9)
Pershing	2	---	---	---	---
Storey	0	---	---	---	---
Washoe	144	8.6	(7.2-10.0)	10.1	(8.5-11.9)
White Pine	7	---	---	---	---
Unknown	1	---	---	---	---
Total	1,022	10.5	(9.9-11.1)	11.9	(11.2-12.7)

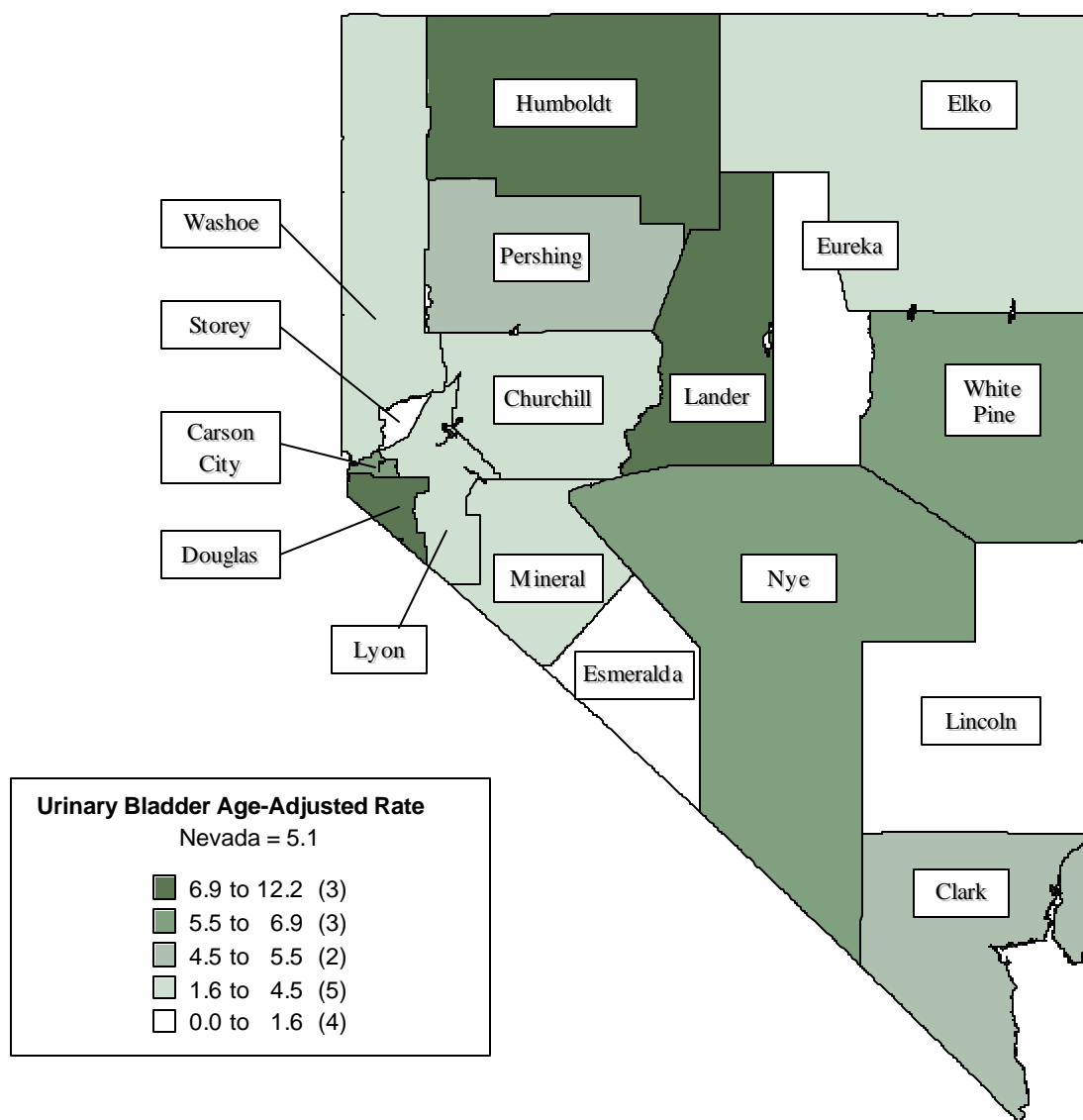
Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 141. Urinary Bladder Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1997-2001

Age Group	Discharges	Charges (\$)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	0	---	---	---	---	---	---
1-4	2	---	---	---	---	---	---
5-14	0	---	---	---	---	---	---
15-24	0	---	---	---	---	---	---
25-34	5	180,094	36,019	23,729	36	7.2	6.0
35-44	16	468,039	29,252	24,128	98	6.1	5.5
45-54	58	1,846,879	31,843	22,956	374	6.4	5.5
55-64	193	6,993,859	36,238	23,931	1,397	7.2	6.0
65-74	338	10,619,146	31,418	19,613	2,170	6.4	5.0
75-84	339	10,899,799	32,153	15,479	2,176	6.4	4.0
85+	71	1,241,630	17,488	12,431	393	5.5	3.0
Unknown	0	---	---	---	---	---	---
Total	1,022	516,075	989	30,741	87	989.0	6.6

MORTALITY

Figure 96. Urinary Bladder Cancer Age-Adjusted (2001) Mortality Rates, Nevada Residents, 1997-2001



Note: Rates are per 100,000 population and age-adjusted to 2001 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 97. Urinary Bladder Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1997-2001

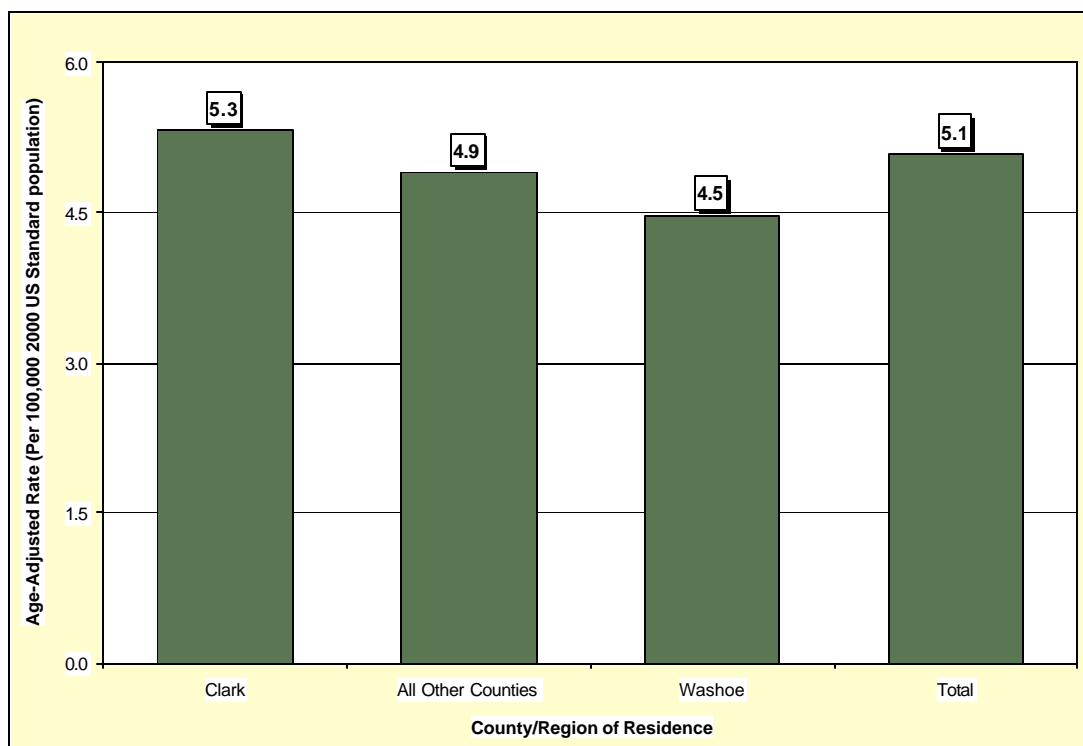


Figure 98. Urinary Bladder Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1997-2001

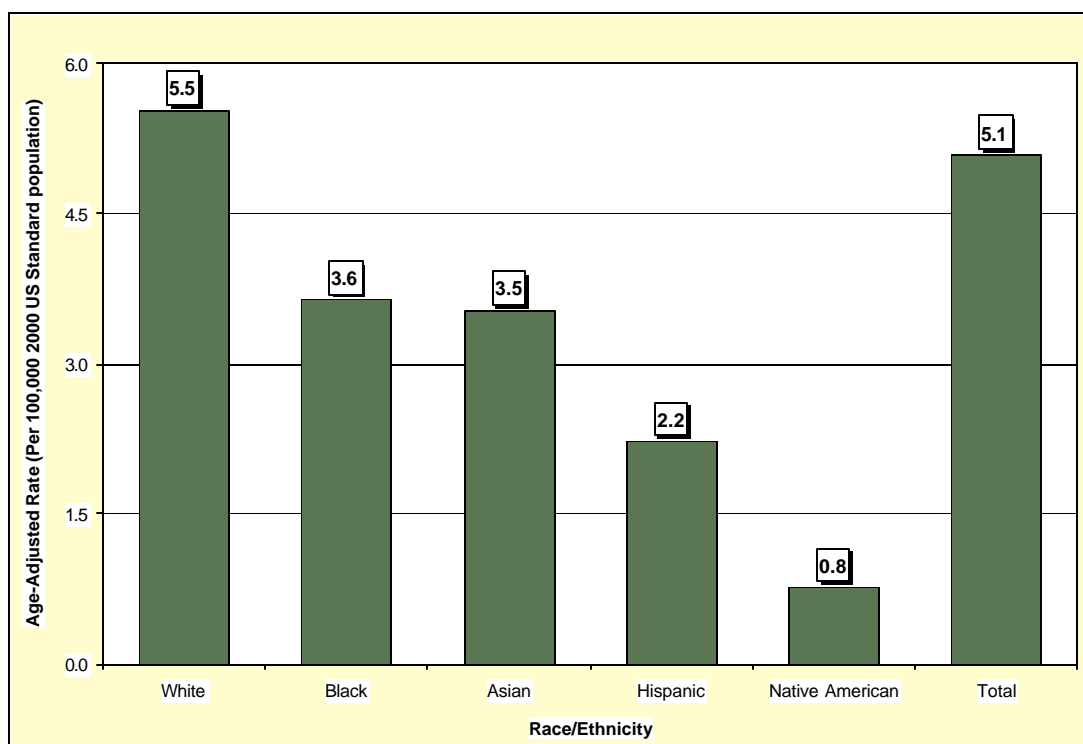


Table 142. Urinary Bladder Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	401	272	62	67
Rate*	5.1	5.3	4.5	4.9
95% C.I.	(4.6-5.6)	(4.7-6.1)	(3.4-5.8)	(3.8-6.3)
Gender				
Male	288	199	40	49
Rate*	8.3	8.7	6.8	8.2
95% C.I.	(7.3-9.5)	(7.4-10.3)	(4.8-9.7)	(5.9-11.2)
Female	113	73	22	18
Rate*	2.7	2.7	2.8	2.4
95% C.I.	(2.2-3.2)	(2.1-3.5)	(1.8-4.3)	(1.4-3.9)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	376	251	58	67
Rate*	5.5	5.9	4.7	5.3
95% C.I.	(5.0-6.1)	(5.1-6.7)	(3.5-6.1)	(4.1-6.8)
Black	11	11	0	0
Rate*	3.6	4.0	---	---
95% C.I.	(1.7-7.0)	(1.9-7.8)	---	---
Native American	1	0	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	5	4	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Hispanic	8	6	2	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Other/Unknown	0	0	0	0

Note: The "—" is used for rates calculated on numbers less than ten.

*Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 143. Urinary Bladder Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	401	272	62	67
Rate*	4.1	4.1	3.7	4.8
95% C.I.	(3.7-4.5)	(3.6-4.6)	(2.8-4.6)	(3.6-5.9)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	4	1	2	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	10	8	2	0
Rate*	0.8	---	---	---
95% C.I.	(0.3-1.3)	---	---	---
55-64	67	44	13	10
Rate*	7.3	7.1	8.7	6.9
95% C.I.	(5.6-9.1)	(5.0-9.2)	(4.0-13.4)	(2.6-11.2)
65-74	111	70	17	24
Rate*	17.3	16.2	16.6	22.4
95% C.I.	(14.1-20.5)	(12.4-20.0)	(8.7-24.5)	(13.4-31.3)
75-84	142	102	18	22
Rate*	40.4	43.7	31.1	36.7
95% C.I.	(33.8-47.1)	(35.2-52.1)	(16.7-45.5)	(21.4-52.1)
85+	66	46	10	10
Rate*	86.6	98.5	64.5	71.3
95% C.I.	(65.7-107.5)	(70.0-127.0)	(24.5-104.4)	(27.1-115.4)
Unknown	0	0	0	0

Note: The "—" is used for rates calculated on numbers less than ten.

* Rates are per 100,000 age-specific population.

Table 144. Urinary Bladder Cancer Mortality by County of Residence, Nevada Residents, 1997-2001

County of Residence	1997-2001 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	19	7.6	(4.2-11.1)	6.5	(3.9-10.3)
Churchill	2	---	---	---	---
Clark	272	4.1	(3.6-4.6)	5.3	(4.7-6.1)
Douglas	16	7.8	(4.0-11.6)	7.6	(4.2-13.3)
Elko	4	---	---	---	---
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	4	---	---	---	---
Lander	2	---	---	---	---
Lincoln	0	---	---	---	---
Lyon	5	---	---	---	---
Mineral	1	---	---	---	---
Nye	10	6.4	(2.4-10.3)	5.5	(2.4-11.7)
Pershing	1	---	---	---	---
Storey	0	---	---	---	---
Washoe	62	3.7	(2.8-4.6)	4.5	(3.4-5.8)
White Pine	3	---	---	---	---
Unknown	0	---	---	---	---
Total	401	4.1	(3.7-4.5)	5.1	(4.6-5.6)

Note: The "----" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 145. Urinary Bladder Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity		Gender		
		Male	Female	Total
White	Mortality	271	105	376
	Rate*	9.0	2.9	5.5
	95% C.I.	(7.9-10.3)	(2.4-3.5)	(5.0-6.1)
Black	Mortality	7	4	11
	Rate*	---	---	3.6
	95% C.I.	---	---	(1.7-7.0)
Native American	Mortality	1	0	1
	Rate*	---	---	---
	95% C.I.	---	---	---
Asian	Mortality	3	2	5
	Rate*	---	---	---
	95% C.I.	---	---	---
Hispanic	Mortality	6	2	8
	Rate*	---	---	---
	95% C.I.	---	---	---
Other/Unknown		0	0	0
Total	Mortality	288	113	401
	Rate*	8.3	2.7	5.1
	95% C.I.	(7.3-9.5)	(2.2-3.2)	(4.6-5.6)

Note: The "----" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 146. Urinary Bladder Cancer Mortality by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
25-34	1	0	1
Rate*	---	---	---
95% C.I.	---	---	---
35-44	1	3	4
Rate*	---	---	---
95% C.I.	---	---	---
45-54	6	4	10
Rate*	---	---	0.8
95% C.I.	---	---	(0.3-1.3)
55-64	53	14	67
Rate*	11.6	3.0	7.3
95% C.I.	(8.5-14.8)	(1.4-4.6)	(5.6-9.1)
65-74	87	24	111
Rate*	27.4	7.4	17.3
95% C.I.	(21.7-33.2)	(4.4-10.3)	(14.1-20.5)
75-84	101	41	142
Rate*	63.7	21.3	40.4
95% C.I.	(51.3-76.1)	(14.8-27.8)	(33.8-47.1)
85+	39	27	66
Rate*	157.6	52.4	86.6
95% C.I.	(108.1-207.1)	(32.7-72.2)	(65.7-107.5)
Unknown	0	0	0
Total	288	113	401
Rate*	5.8	2.4	4.1
95% C.I.	(5.1-6.5)	(1.9-2.8)	(3.7-4.5)

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten.

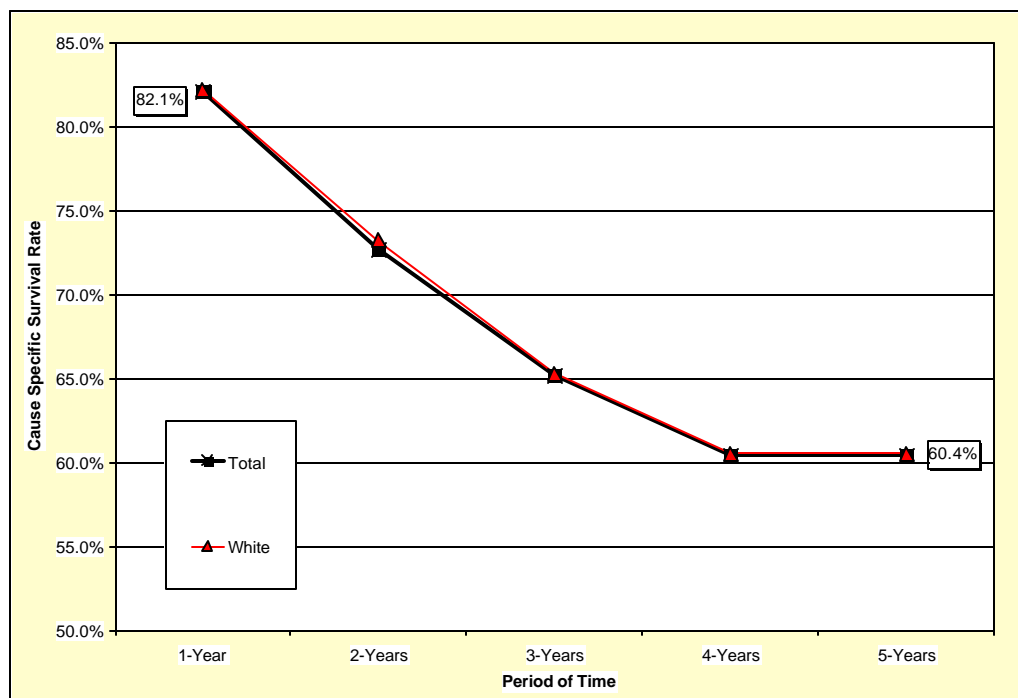
Table 147. Median Age at Death from Urinary Bladder Cancer by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity	Gender					
	Male		Female		Total	
	Deaths	Median Age	Deaths	Median Age	Deaths	Median Age
White	271	74.0	105	76.0	376	75.0
Black	7	72.0	4	---	11	77.0
Native American	1	---	0	---	1	---
Asian	3	---	2	---	5	79.0
Hispanic	6	69.0	2	---	8	78.5
Other/Unknown	0	---	0	---	0	---
Total	288	74.0	113	77.0	401	75.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 99. Survival Rates for Urinary Bladder Cancer by Race/Ethnicity, Nevada Residents, 1997-2001



Notes: The survival rate for those racial/ethnic groups not included in this chart could not be calculated due to small cell size.

Figure 100. Survival Rates for Urinary Bladder Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1997-2001

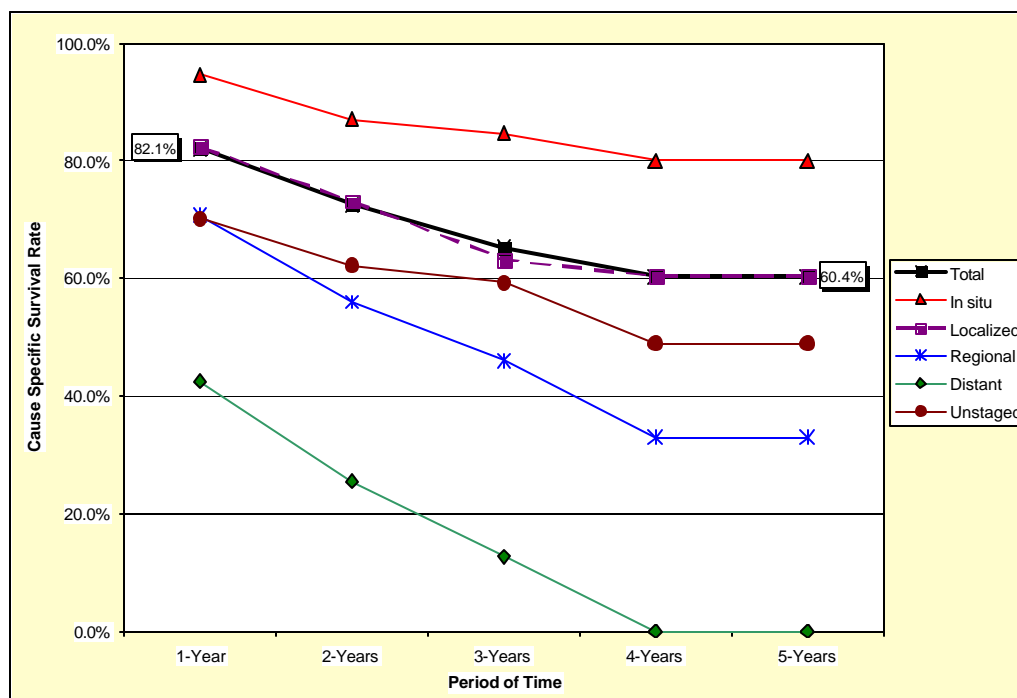


Table 148. Cause-Specific Survival Rates for Urinary Bladder Cancer by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	1,603	82.1%	72.6%	65.2%	60.4%	60.4%	>5 years
Male	1,209	83.0%	73.8%	66.5%	60.5%	60.5%	>5 years
Female	394	79.2%	69.1%	61.3%	59.5%	59.5%	>5 years
Race/Ethnicity							
White	1,464	82.2%	73.2%	65.3%	60.5%	60.5%	>5 years
Male	1,099	82.9%	74.1%	66.5%	60.6%	60.6%	>5 years
Female	365	80.0%	70.4%	61.7%	59.7%	59.7%	>5 years
Black	50	81.3%	65.1%	56.9%	56.9%	56.9%	>5 years
Male	37	---	---	---	---	---	---
Female	13	---	---	---	---	---	---
Native American	6	---	---	---	---	---	---
Male	5	---	---	---	---	---	---
Female	1	---	---	---	---	---	---
Asian	19	---	---	---	---	---	---
Male	13	---	---	---	---	---	---
Female	6	---	---	---	---	---	---
Hispanic	55	75.6%	55.4%	55.4%	55.4%	55.4%	>5 years
Male	46	---	---	---	---	---	---
Female	9	---	---	---	---	---	---

Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 149. Cause-Specific Survival Rates for Urinary Bladder Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1997-2001

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	1,603	1,209	394
	One Year	82.1%	83.0%	79.2%
	5 Years	60.4%	60.5%	59.5%
	Median Survival	>5 years	>5 years	>5 years
Stage at Diagnosis				
In situ	Cases	477	354	123
	One Year	94.6%	94.8%	93.9%
	5 Years	80.0%	76.1%	93.9%
	Median Survival	>5 years	>5 years	>5 years
Localized	Cases	783	604	179
	One Year	82.3%	83.2%	79.4%
	5 Years	60.4%	60.7%	58.7%
	Median Survival	>5 years	>5 years	>5 years
Regional	Cases	128	90	38
	One Year	70.7%	73.8%	---
	5 Years	33.0%	37.9%	---
	Median Survival	2.61	2.87	---
Distant	Cases	53	37	16
	One Year	42.5%	---	---
	5 Years	---	---	---
	Median Survival	0.87	---	---
Unstaged	Cases	162	124	38
	One Year	70.1%	71.0%	---
	5 Years	49.0%	47.5%	---
	Median Survival	3.90	3.83	---

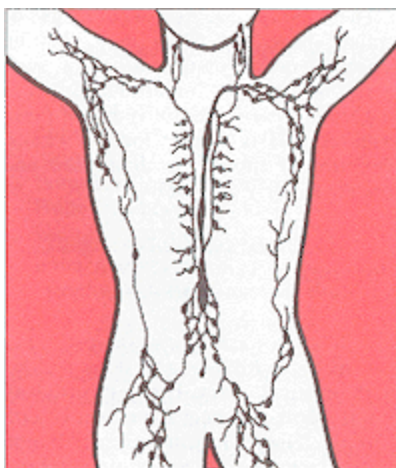
Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

NON-HODGKIN'S LYMPHOMA

NON-HODGKIN'S LYMPHOMA

GENERAL PROFILE⁴

Figure 101. Anatomy of the Lymphatic System



General Anatomy: Lymphoma is a general term for cancers that develop in the lymphatic system. The lymphatic system is part of the body's immune system that helps the body fight disease and infection and includes a network of thin tubes (lymphatic vessels) that branch, like blood vessels, into tissues throughout the body. Lymphatic vessels carry lymph, a colorless, watery fluid that contains infection-fighting cells called lymphocytes. Along this network of vessels are small organs called lymph nodes that are found in the underarms, groin, neck, chest, and abdomen. Other parts of the lymphatic system are the spleen, thymus, tonsils, and bone marrow. Lymphatic tissue is also found in other parts of the body, including the stomach, intestines, and skin.

In non-Hodgkin's lymphoma, cells in the lymphatic system become abnormal. They divide and grow without any order or control, or old cells do not die as cells normally do. Non-Hodgkin's lymphoma can start almost anywhere in the body and may occur in a single lymph node, a group of lymph nodes, or in another organ. This type of cancer can spread to almost any part of the body, including the liver, bone marrow, and spleen.

Risk Factors: Age, male gender, weakened immune system, viruses (Human T-lymphotropic virus type I [HTLV-1] and Epstein-Barr virus), and environment (chemical exposure).

Signs and Symptoms: Unexplained fever, night sweats, constant fatigue, unexplained weight loss, itchy skin, and reddened patches on the skin.

Diagnosing the Cancer: X-rays, computed tomography (CAT) scan, magnetic resonance imaging (MRI), and lymphangiogram.

Treatment: Treatment options include: chemotherapy, radiation therapy, bone marrow transplantation (BMT), biological therapy, surgery, and clinical trials.

HIGHLIGHTS

- The ratio of the age-adjusted incidence rate, 14.7, to the age-adjusted mortality rate, 7.1 (per 100,000 – 2000 US Standard population), for Non-Hodgkin's Lymphoma was 2.01 during the 1997 to 2001 period, which means that for every 2.07 Non-Hodgkin's Lymphoma cases during this period, there was one death due to Non-Hodgkin's Lymphoma in Nevada.
- Nevadan females had a higher ratio than males when the age-adjusted incidence and age-adjusted mortality rates for Non-Hodgkin's Lymphoma were compared. For every female death due to Non-Hodgkin's Lymphoma, there was 2.38 female cases. There were 2.07 male cases for every male Non-Hodgkin's Lymphoma death in Nevada from 1997 to 2001.
- The median age at diagnosis of Non-Hodgkin's Lymphoma was 65 years of age for Nevada residents from 1997 to 2001; the median age at time of death was 72 years.

INCIDENCE

- There were 1,316 cases of Non-Hodgkin's Lymphoma in Nevada from 1997 to 2001. Nevada's lower incidence rate, 14.7 (1.9-15.5), for Non-Hodgkin's Lymphoma showed statistical significance when compared to the National rate, 19.1 (18.9-19.3), per 100,000 – 2000 US Standard population.
- While regional comparisons showed that Washoe County's age-adjusted incidence rate, 16.9, was higher than the rate for All Other Counties (14.8) and Clark County (14.1) from 1997 to 2001, these differences were not statistically significant (adjusted to the 2000 US Standard Population).
- Males had a higher, and statistically significant, age-adjusted incidence rate, 17.4 (16.1-18.8), than females who had a rate of 12.4 (11.4-13.5), per 100,000 – 2000 US Standard population.
- Whites had the highest age-adjusted incidence rate, 16.3, for Non-Hodgkin's Lymphoma of all racial/ethnic groups and were followed by Blacks, Hispanics, and Asians with rates of 8.7, 8.1 and 8.10 (per 100,000 – 2000 US Standard population), respectively, during this period.

INPATIENT HOSPITAL DISCHARGES

- There were 988 Inpatient Discharges for Non-Hodgkin's Lymphoma to Nevada residents from 1997 to 2001. Regional comparisons showed little difference between the age-adjusted inpatient discharge rates and average length of stay between Clark County, Washoe County and All Other Counties, as a region.

- Total billed charges for hospital inpatient discharges from Non-Hodgkin's Lymphoma in Nevada totaled just over 38.7 million dollars from 1997 to 2001. Clark County had the highest median total billed charge (\$41,132) once regional comparisons were made.
- The overall average billed charge per day for an inpatient hospital discharge for Non-Hodgkin's Lymphoma was approximately \$4,309 in Nevada from 1997 to 2001.

MORTALITY

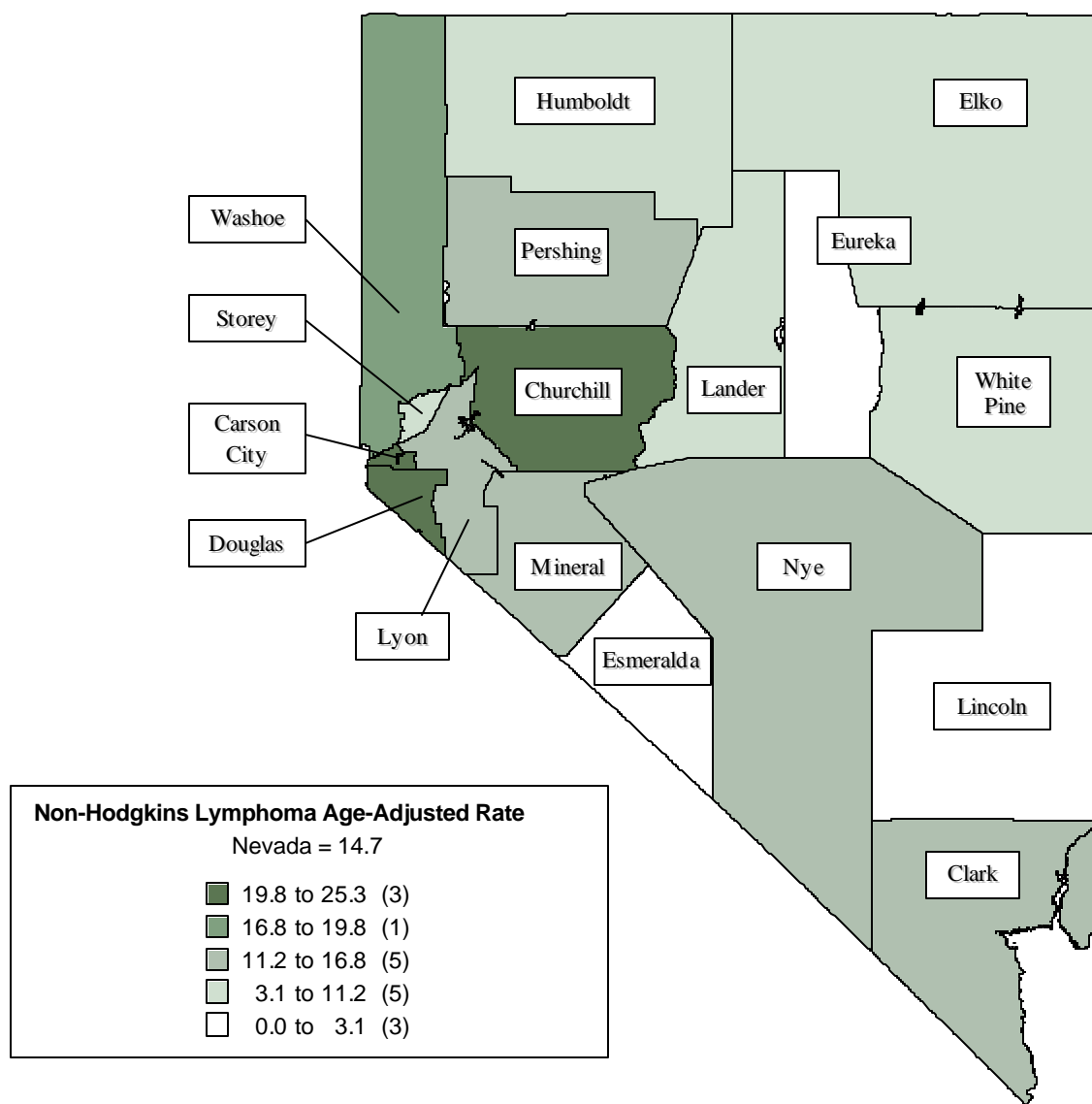
- There were 599 deaths in Nevada due to Non-Hodgkin's Lymphoma from 1997 to 2001. Regional comparisons showed little difference between the age-adjusted mortality rates for Washoe County, Clark County, and All Other Counties, as a region, with rates of 7.5, 7.1 and 6.6 (per 100,000 – 2000 US Standard population), respectively.
- While racial/ethnic comparisons showed that Whites had highest age-adjusted mortality rate (7.6) for Non-Hodgkin's Lymphoma, and were followed by Asians, Hispanics and Blacks with rates of 5.8, 4.7 and 4.0 (per 100,000 – 2001 US Standard population), respectively; statistical analysis does not show any statistical significance between any of the racial/ethnic groups during the 1997 to 2001 period.

SURVIVAL RATE

- Females in Nevada had a slightly higher one-year survival rate (78.4%) than males (74.4%) for Non-Hodgkin's Lymphoma during the 1997 to 2001 period. By the five-year survival period females had a survival rate of 53.4% and males had a rate of 51.3%.
- The Non-Hodgkin's Lymphoma survival rate varies greatly by the stage of the cancer at time of diagnosis. Those diagnosed at the localized stage had the highest one- and five-year survival rates with 88.1% and 60.4%, respectively. This was followed by those with regional and then distant diagnoses with rates of 72.3% and 46.3% for the one-year period and 72.6% and 53.7% for the five-year period.

INCIDENCE

**Figure 102. Non-Hodgkin's Lymphoma Age-Adjusted (2001) Incidence Rates,
Nevada Residents, 1997-2001**



Note: Rates are per 100,000 population and age-adjusted to 2001 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 103. Non-Hodgkin's Lymphoma Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1997-2001

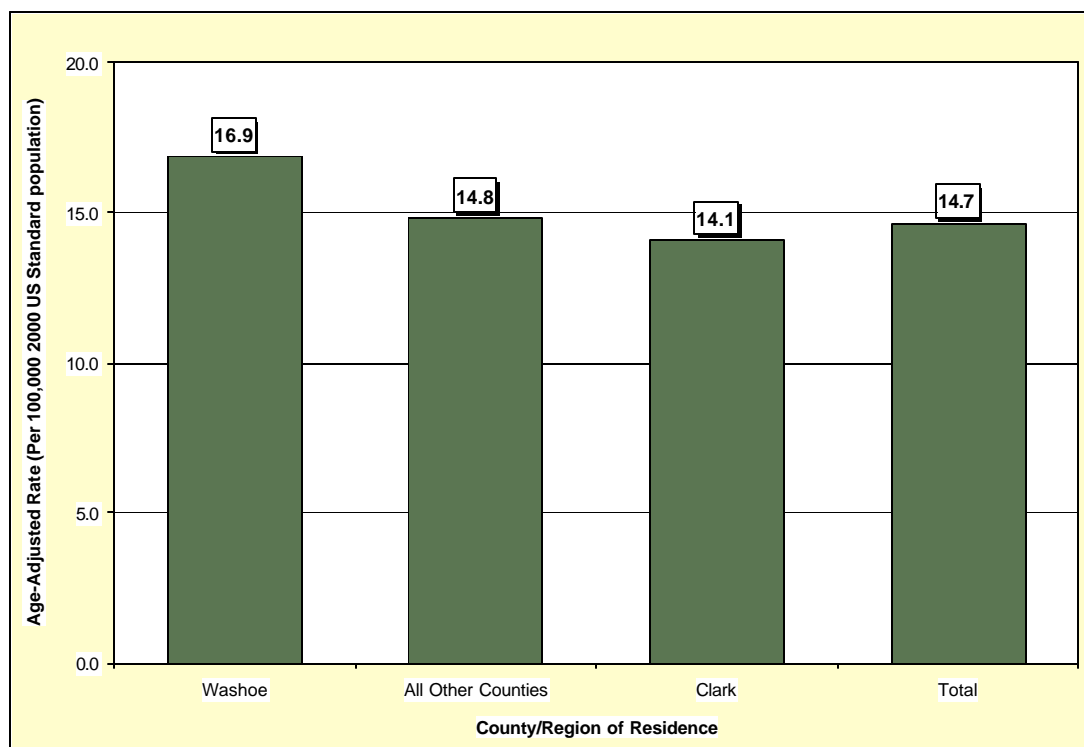


Figure 104. Non-Hodgkin's Lymphoma Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1997-2001

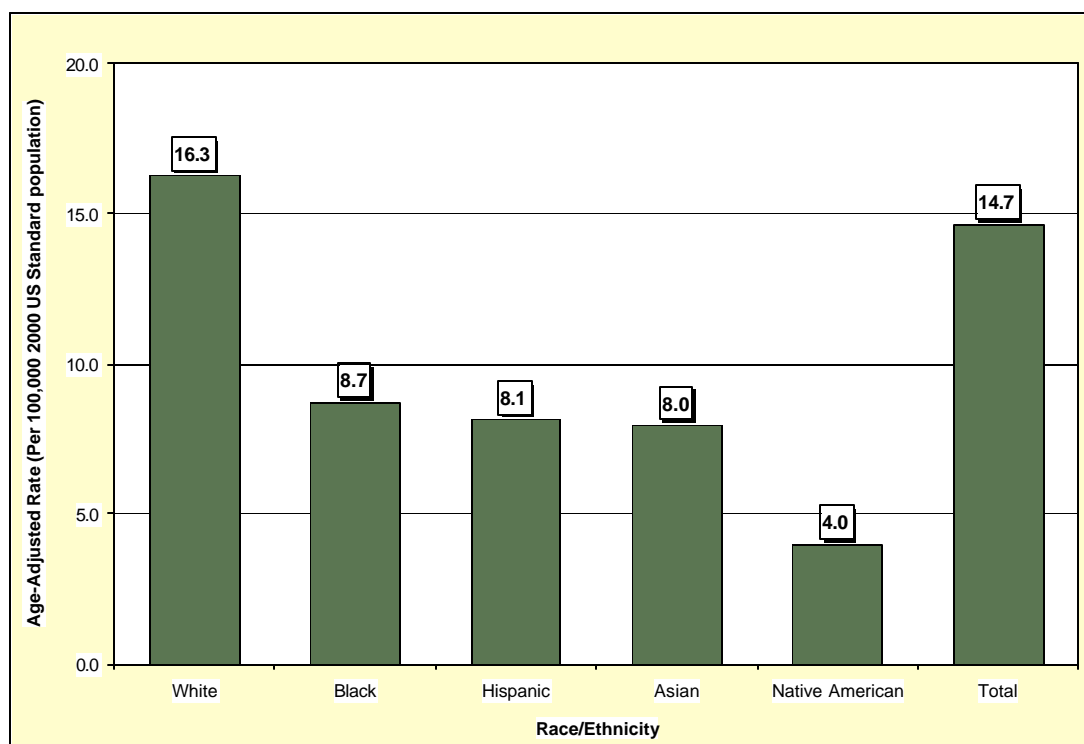


Table 150. Non-Hodgkin's Lymphoma Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1997-2001)
Total						
Cases	1,316	839	259	217	1	33,470
Rate*	14.7	14.1	16.9	14.8	---	19.1
95% C.I.	(13.9-15.5)	(13.1-15.1)	(14.8-19.1)	(12.9-17.0)	---	(18.9-19.3)
Gender						
Male	737	468	144	125	0	18,156
Rate*	17.4	16.8	20.2	17.3	---	23.3
95% C.I.	(16.1-18.8)	(15.1-18.6)	(16.8-24.2)	(14.3-21.0)	---	(22.9-23.6)
Female	579	371	115	92	1	15,314
Rate*	12.4	12.0	14.3	12.5	---	15.7
95% C.I.	(11.4-13.5)	(10.8-13.3)	(11.8-17.3)	(10.0-15.3)	---	(15.5-16.0)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	1,177	751	225	200	1	28,196
Rate*	16.3	16.3	17.2	15.2	---	20.1
95% C.I.	(15.3-17.2)	(15.2-17.6)	(15.0-19.7)	(13.2-17.6)	---	(19.8-20.3)
Black	44	29	11	4	0	2,353
Rate*	8.7	6.0	41.2	---	---	14.6
95% C.I.	(6.2-12.4)	(3.9-9.4)	(19.7-79.7)	---	---	(14.0-15.2)
Native American	5	2	2	1	0	150
Rate*	---	---	---	---	---	8.7
95% C.I.	---	---	---	---	---	(7.2-7.2)
Asian	29	20	7	2	0	2,422
Rate*	8.0	7.1	---	---	---	13.7
95% C.I.	(4.7-14.3)	(3.5-15.2)	---	---	---	(13.2-14.3)
Hispanic	55	32	13	10	0	2,989
Rate*	8.1	6.1	13.9	14.7	---	15.6
95% C.I.	(5.6-11.8)	(3.7-10.2)	(5.7-31.7)	(6.0-33.1)	---	(15.0-16.2)
Other/Unknown	6	5	1	0	0	349

* Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten and SEER numbers less than five. Caution should be used when comparing rates for racial/ethnic groups to the National (SEER) rates. See Technical Notes for more information.

Table 151. Non-Hodgkin's Lymphoma Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1997-2001)
Total						
Cases	1,316	839	259	217	1	33,470
Rate*	13.5	12.6	15.4	15.5	---	18.1
95% C.I.	(12.8-14.2)	(11.7-13.4)	(13.6-17.3)	(13.5-17.6)	---	(17.9-18.3)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	5	2	2	1	0	67
Rate*	---	---	---	---	---	0.6
95% C.I.	---	---	---	---	---	(0.5-0.7)
5-14	12	4	6	2	0	293
Rate*	0.9	---	---	---	---	1.1
95% C.I.	(0.4-1.4)	---	---	---	---	(1.0-1.2)
15-24	17	13	3	1	0	510
Rate*	1.3	1.4	---	---	---	2.0
95% C.I.	(0.7-1.9)	(0.6-2.2)	---	---	---	(1.8-2.1)
25-34	63	42	11	10	0	1,392
Rate*	4.3	4.0	4.3	6.4	---	4.8
95% C.I.	(3.2-5.3)	(2.8-5.1)	(1.8-6.9)	(2.4-10.3)	---	(4.5-5.0)
35-44	90	53	25	12	0	3,000
Rate*	5.8	5.1	8.8	5.3	---	9.6
95% C.I.	(4.6-7.0)	(3.7-6.4)	(5.4-12.3)	(2.3-8.3)	---	(9.3-9.9)
45-54	199	130	35	34	0	4,604
Rate*	15.5	15.4	14.8	16.9	---	20.1
95% C.I.	(13.3-17.7)	(12.7-18.0)	(9.9-19.7)	(11.2-22.6)	---	(19.5-20.7)
55-64	243	149	52	42	0	5,600
Rate*	26.5	24.0	34.6	29.1	---	40.0
95% C.I.	(23.2-29.9)	(20.1-27.8)	(25.2-44.1)	(20.3-37.9)	---	(38.9-41.0)
65-74	342	215	63	64	0	7,803
Rate*	53.3	49.7	61.5	59.7	---	67.6
95% C.I.	(47.6-58.9)	(43.1-56.4)	(46.3-76.6)	(45.1-74.3)	---	(66.1-69.1)
75-84	282	190	48	43	1	7,607
Rate*	80.3	81.4	83.0	71.8	---	104.7
95% C.I.	(70.9-89.6)	(69.8-92.9)	(59.5-106.5)	(50.3-93.2)	---	(102.3-107.0)
85+	61	41	13	7	0	2,590
Rate*	80.0	87.8	83.8	---	---	104.4
95% C.I.	(59.9-100.1)	(60.9-114.7)	(38.3-129.4)	---	---	(100.4-108.5)
Unknown	2	0	1	1	0	0

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 152. Non-Hodgkin's Lymphoma Cases by County of Residence at Diagnosis, Nevada Residents, 1997-2001

County of Residence at Diagnosis	1997-2001 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	70	28.1	(21.5-34.7)	25.3	(19.7-32.1)
Churchill	24	19.9	(11.9-27.9)	20.1	(12.9-30.5)
Clark	839	12.6	(11.7-13.4)	14.1	(13.1-15.1)
Douglas	48	23.4	(16.8-30.0)	19.9	(14.5-27.2)
Elko	9	---	---	---	---
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	6	---	---	---	---
Lander	1	---	---	---	---
Lincoln	0	---	---	---	---
Lyon	22	12.9	(7.5-18.3)	11.4	(7.1-17.9)
Mineral	4	---	---	---	---
Nye	27	17.2	(10.7-23.7)	13.4	(8.5-21.0)
Pershing	3	---	---	---	---
Storey	1	---	---	---	---
Washoe	259	15.4	(13.6-17.3)	16.9	(14.8-19.1)
White Pine	2	---	---	---	---
Unknown	1	---	---	---	---
Total	1,316	13.5	(12.8-14.2)	14.7	(13.9-15.5)

Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 153. Non-Hodgkin's Lymphoma Cases by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity		Gender			
		Male	Female	Other/Unknown	Total
White	Incidence	647	530	0	1,177
	Rate*	18.8	14.2	---	16.3
	95% C.I.	(17.3-20.4)	(13.0-15.5)	---	(15.3-17.2)
Black	Incidence	29	15	0	44
	Rate*	11.6	6.0	---	8.7
	95% C.I.	(7.5-19.9)	(3.3-10.7)	---	(6.2-12.4)
Native American	Incidence	3	2	0	5
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	18	11	0	29
	Rate*	10.1	6.3	---	8.0
	95% C.I.	(5.7-22.0)	(2.2-17.0)	---	(4.7-14.3)
Hispanic	Incidence	36	19	0	55
	Rate*	12.5	5.2	---	8.1
	95% C.I.	(7.2-21.6)	(2.8-9.4)	---	(5.6-11.8)
Other/Unknown		4	2	0	6
Total	Incidence	737	579	0	1,316
	Rate*	17.4	12.4	---	14.7
	95% C.I.	(16.1-18.8)	(11.4-13.5)	---	(13.9-15.5)

Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 154. Non-Hodgkin's Lymphoma Cases by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender			
	Male	Female	Other/ Unknown	Total
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	2	3	0	5
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	8	4	0	12
Rate*	---	---	---	0.9
95% C.I.	---	---	---	(0.4-1.4)
15-24	8	9	0	17
Rate*	---	---	---	1.3
95% C.I.	---	---	---	(0.7-1.9)
25-34	38	25	0	63
Rate*	4.9	3.5	---	4.3
95% C.I.	(3.4-6.5)	(2.1-4.9)	---	(3.2-5.3)
35-44	57	33	0	90
Rate*	7.1	4.4	---	5.8
95% C.I.	(5.2-8.9)	(2.9-5.9)	---	(4.6-7.0)
45-54	120	79	0	199
Rate*	18.5	12.5	---	15.5
95% C.I.	(15.2-21.8)	(9.7-15.2)	---	(13.3-17.7)
55-64	144	99	0	243
Rate*	31.6	21.5	---	26.5
95% C.I.	(26.5-36.8)	(17.2-25.7)	---	(23.2-29.9)
65-74	187	155	0	342
Rate*	59.0	47.7	---	53.3
95% C.I.	(50.5-67.5)	(40.1-55.2)	---	(47.6-58.9)
75-84	137	145	0	282
Rate*	86.4	75.2	---	80.3
95% C.I.	(71.9-100.9)	(63.0-87.5)	---	(70.9-89.6)
85+	34	27	0	61
Rate*	137.4	52.4	---	80.0
95% C.I.	(91.2-183.6)	(32.7-72.2)	---	(59.9-100.1)
Unknown	2	0	0	2
Total	737	579	0	1,316
Rate*	14.9	12.1	---	13.5
95% C.I.	(13.8-16.0)	(11.1-13.1)	---	(12.8-14.2)

* Rates are per 100,000 age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten.

Age Group		Stage					
		In situ	Localized	Regional	Distant	Unstaged	Total
<1	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
1-4	Number	0	1	0	2	2	5
	Percent	---	20.0%	---	40.0%	40.0%	100.0%
5-14	Number	0	1	0	5	6	12
	Percent	---	8.3%	---	41.7%	50.0%	100.0%
15-24	Number	0	6	0	6	5	17
	Percent	---	35.3%	---	35.3%	29.4%	100.0%
25-34	Number	0	17	8	19	19	63
	Percent	---	27.0%	12.7%	30.2%	30.2%	100.0%
35-44	Number	0	28	5	32	25	90
	Percent	---	31.1%	5.6%	35.6%	27.8%	100.0%
45-54	Number	0	58	15	70	56	199
	Percent	---	29.1%	7.5%	35.2%	28.1%	100.0%
55-64	Number	0	70	25	84	64	243
	Percent	---	28.8%	10.3%	34.6%	26.3%	100.0%
65-74	Number	0	101	26	105	110	342
	Percent	---	29.5%	7.6%	30.7%	32.2%	100.0%
75-84	Number	0	64	28	82	108	282
	Percent	---	22.7%	9.9%	29.1%	38.3%	100.0%
85+	Number	0	13	4	20	24	61
	Percent	---	21.3%	6.6%	32.8%	39.3%	100.0%
Unknown	Number	0	0	1	1	0	2
	Percent	---	---	50.0%	50.0%	---	100.0%
Total	Number	0	359	112	426	419	1,316
	Percent	---	27.3%	8.5%	32.4%	31.8%	100.0%

Table 156. Non-Hodgkin's Lymphoma Cases by Stage and Race/Ethnicity, Nevada Residents, 1997-2001

Stage		Race/Ethnicity					
		White	Black	Native American	Asian	Hispanic	Other/Unknown
In situ	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
Localized	Number	317	12	2	8	16	4
	Percent	26.9%	27.3%	40.0%	27.6%	29.1%	66.7%
Regional	Number	101	1	0	4	5	1
	Percent	8.6%	2.3%	---	13.8%	9.1%	16.7%
Distant	Number	378	21	2	10	14	1
	Percent	32.1%	47.7%	40.0%	34.5%	25.5%	16.7%
Unstaged	Number	381	10	1	7	20	0
	Percent	32.4%	22.7%	20.0%	24.1%	36.4%	---
Total	Number	1,177	44	5	29	55	6
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

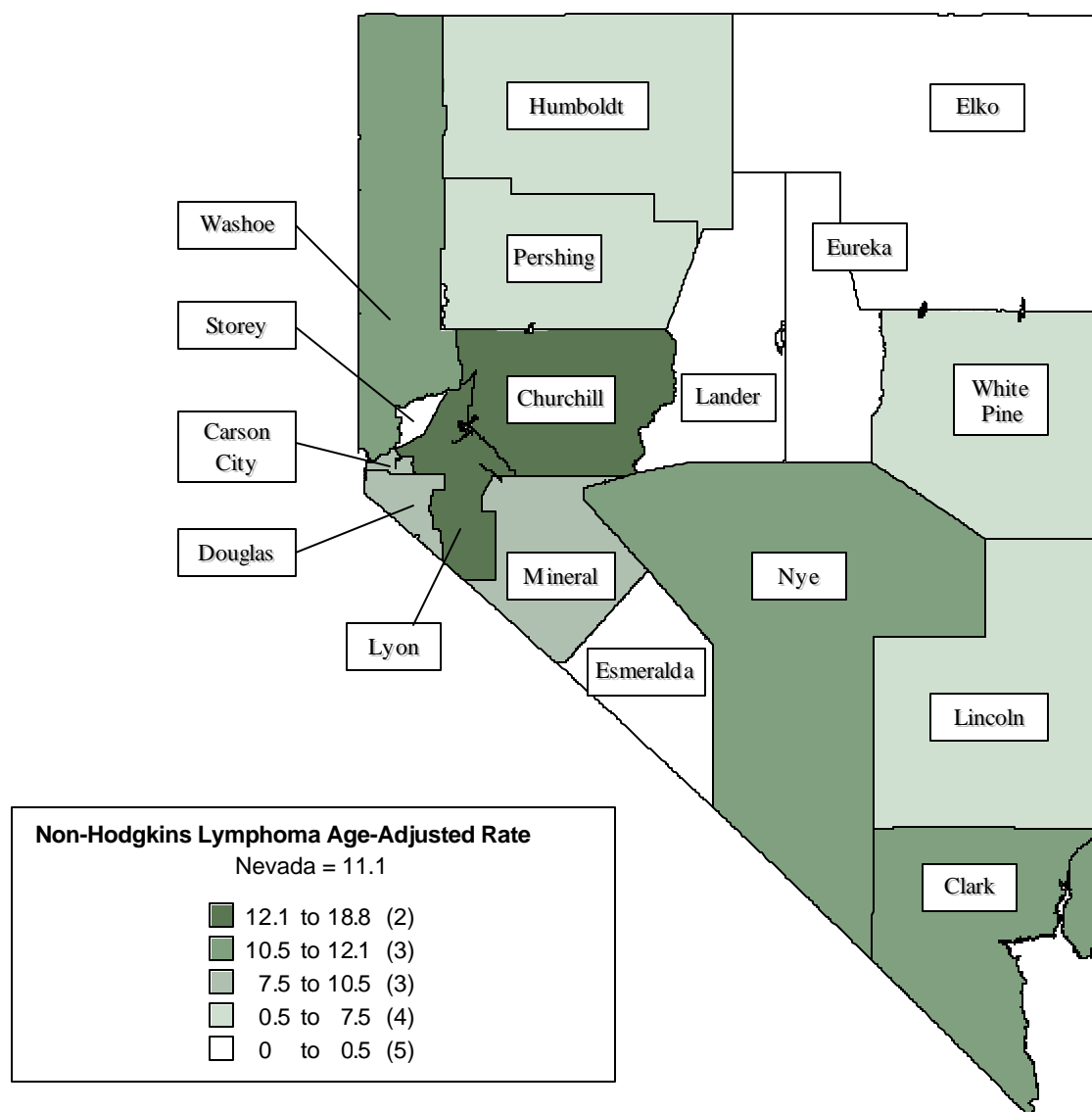
Table 157. Median Age at Diagnosis of Non-Hodgkin's Lymphoma by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity	Gender					
	Male		Female		Total	
	Incidence	Median Age	Incidence	Median Age	Incidence	Median Age
White	645	65.0	530	67.0	1,175	66.0
Black	29	51.0	15	59.0	44	54.0
Native American	3	---	2	---	5	41.0
Asian	18	60.5	11	64.0	29	63.0
Hispanic	36	59.0	19	59.0	55	59.0
Other/Unknown	4	---	2	---	6	75.0
Total	735	64.0	579	66.0	1,314	65.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

Figure 105. Non-Hodgkin's Lymphoma Age-Adjusted (2001) Inpatient Discharge Rates, Nevada Residents, 1997-2001



Note: Rates are per 100,000 population and age-adjusted to 2001 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical notes for more information.

Figure 106. Non-Hodgkin's Lymphoma Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1997-2001

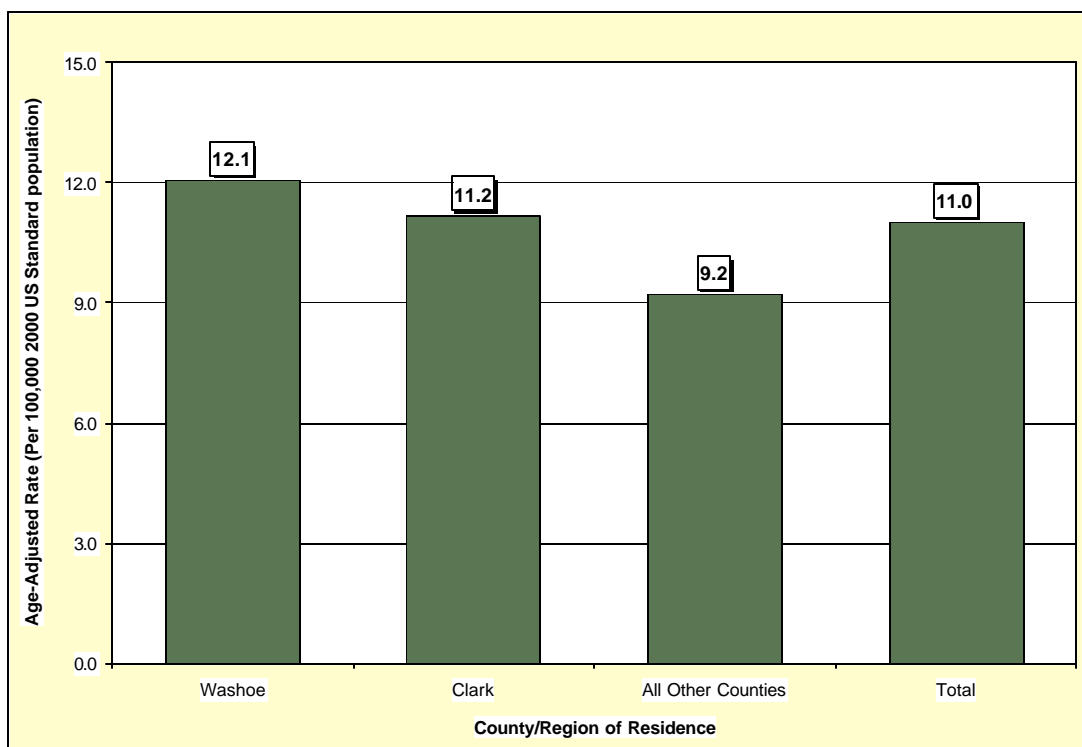


Figure 107. Median Charges for Non-Hodgkin's Lymphoma Discharges by County/Region of Residence, Nevada Residents, 1997-2001

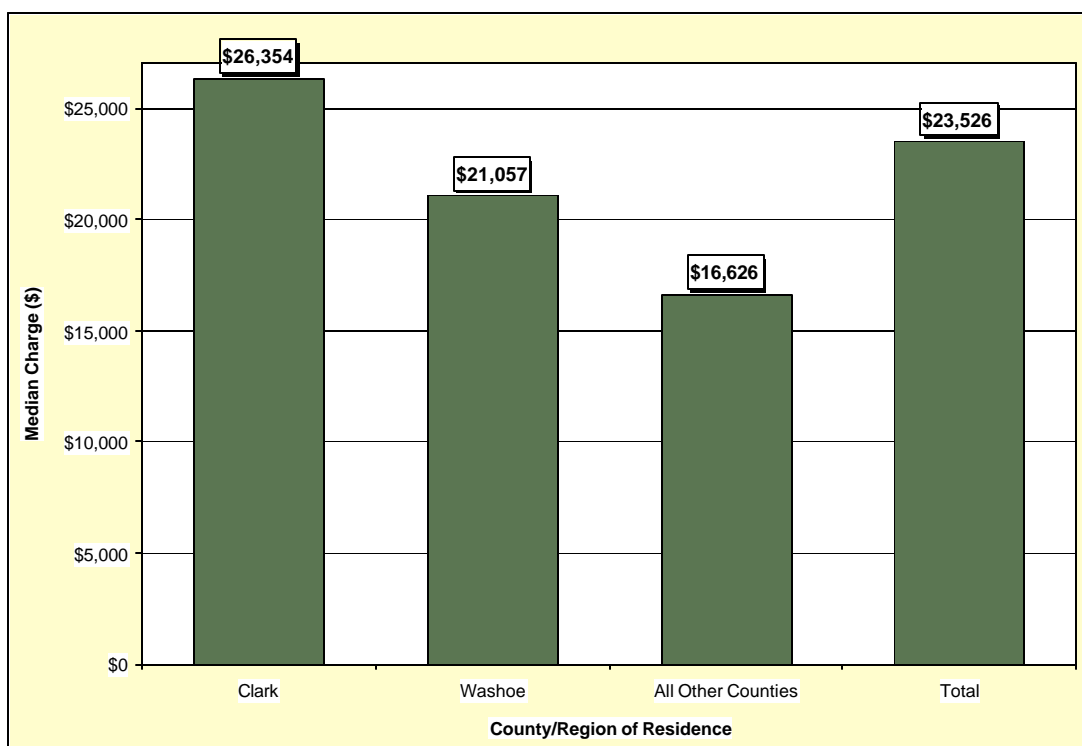


Figure 108. Average Length of Stay for Non-Hodgkin's Lymphoma Discharges by County/Region of Residence, Nevada Residents, 1997-2001

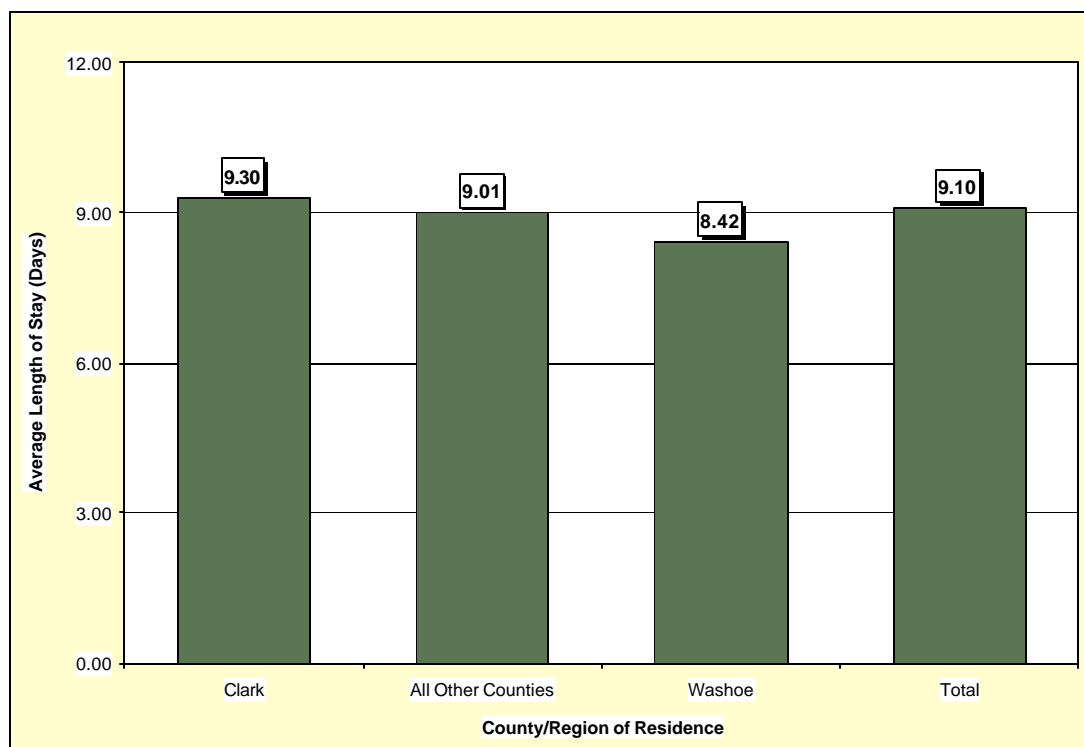


Table 158. Non-Hodgkin's Lymphoma Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	988	673	182	133	0
Rate*	11.0	11.2	12.1	9.2	---
95% C.I.	(10.3-11.7)	(10.3-12.1)	(10.3-14.0)	(7.7-11.0)	---
Gender					
Male	550	382	93	75	0
Rate*	12.8	13.5	13.1	10.1	---
95% C.I.	(11.7-14.1)	(12.0-15.1)	(10.5-16.5)	(7.9-13.0)	---
Female	438	291	89	58	0
Rate*	9.4	9.3	11.2	8.0	---
95% C.I.	(8.6-10.4)	(8.3-10.5)	(9.0-13.8)	(6.1-10.5)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$38,747,537	\$27,682,072	\$6,420,369	\$4,645,096	---
Average Charges	\$39,218	\$41,132	\$35,277	\$34,926	---
Median Charges	\$23,526	\$26,354	\$21,057	\$16,626	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	8,990	6,259	1,533	1,198	---
Average LOS	9.1	9.3	8.4	9.0	---
Median LOS	6.0	7.0	6.0	6.0	---

* Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 159. Non-Hodgkin's Lymphoma Discharges by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	988	673	182	133	0
Rate*	10.1	10.1	10.8	9.5	---
95% C.I.	(9.5-10.8)	(9.3-10.9)	(9.3-12.4)	(7.9-11.1)	---
Age Group					
<1	1	1	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
1-4	4	2	0	2	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
5-14	13	10	2	1	0
Rate*	0.9	1.1	---	---	---
95% C.I.	(0.4-1.5)	(0.4-1.7)	---	---	---
15-24	21	17	2	2	0
Rate*	1.6	1.8	---	---	---
95% C.I.	(0.9-2.2)	(1.0-2.7)	---	---	---
25-34	54	39	10	5	0
Rate*	3.7	3.7	3.9	---	---
95% C.I.	(2.7-4.6)	(2.5-4.8)	(1.5-6.4)	---	---
35-44	49	40	7	2	0
Rate*	3.1	3.8	---	---	---
95% C.I.	(2.3-4.0)	(2.6-5.0)	---	---	---
45-54	135	98	22	15	0
Rate*	10.5	11.6	9.3	6.3	---
95% C.I.	(8.7-12.3)	(9.3-13.9)	(5.4-13.2)	(3.1-9.6)	---
55-64	188	118	44	26	0
Rate*	20.5	19.0	29.3	17.3	---
95% C.I.	(17.6-23.5)	(15.6-22.4)	(20.6-38.0)	(10.7-24.0)	---
65-74	263	169	44	50	0
Rate*	41.0	39.1	42.9	48.8	---
95% C.I.	(36.0-45.9)	(33.2-45.0)	(30.2-55.6)	(35.3-62.3)	---
75-84	211	152	39	20	0
Rate*	60.1	65.1	67.4	34.6	---
95% C.I.	(52.0-68.2)	(54.7-75.4)	(46.3-88.6)	(19.4-49.7)	---
85+	49	27	12	10	0
Rate*	64.3	57.8	77.4	64.5	---
95% C.I.	(46.3-82.3)	(36.0-79.6)	(33.6-121.2)	(24.5-104.4)	---
Unknown	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 160. Non-Hodgkin's Lymphoma Discharges by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender		
	Male	Female	Total
<1	0	1	1
Rate*	---	---	---
95% C.I.	---	---	---
1-4	3	1	4
Rate*	---	---	---
95% C.I.	---	---	---
5-14	4	9	13
Rate*	---	---	0.9
95% C.I.	---	---	(0.4-1.5)
15-24	12	9	21
Rate*	1.7	---	1.6
95% C.I.	(0.7-2.7)	---	(0.9-2.2)
25-34	36	18	54
Rate*	4.7	2.5	3.7
95% C.I.	(3.2-6.2)	(1.4-3.7)	(2.7-4.6)
35-44	37	12	49
Rate*	4.6	1.6	3.1
95% C.I.	(3.1-6.1)	(0.7-2.5)	(2.3-4.0)
45-54	76	59	135
Rate*	11.7	9.3	10.5
95% C.I.	(9.1-14.3)	(6.9-11.7)	(8.7-12.3)
55-64	109	79	188
Rate*	24.0	17.1	20.5
95% C.I.	(19.5-28.5)	(13.4-20.9)	(17.6-23.5)
65-74	152	111	263
Rate*	48.0	34.1	41.0
95% C.I.	(40.3-55.6)	(27.8-40.5)	(36.0-45.9)
75-84	97	114	211
Rate*	61.2	59.1	60.1
95% C.I.	(49.0-73.4)	(48.3-70.0)	(52.0-68.2)
85+	24	25	49
Rate*	97.0	48.6	64.3
95% C.I.	(58.2-135.8)	(29.5-67.6)	(46.3-82.3)
Unknown	0	0	0
Total	550	438	988
Rate*	11.1	9.1	10.1
95% C.I.	(10.2-12.0)	(8.3-10.0)	(9.5-10.8)

* Rates are per 100,000 age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 161. Non-Hodgkin's Lymphoma Discharges by County/Region of Residence, Nevada Residents, 1997-2001

County of Residence	1997-2001 Inpatient Hospital Discharges				
	Number	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	30	12.0	(7.7-16.4)	10.5	(7.0-15.2)
Churchill	22	18.2	(10.6-25.9)	18.7	(11.7-29.0)
Clark	673	10.1	(9.3-10.9)	11.2	(10.3-12.1)
Douglas	21	10.2	(5.9-14.6)	9.1	(5.5-14.9)
Elko	1	---	---	---	---
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	6	---	---	---	---
Lander	0	---	---	---	---
Lincoln	1	---	---	---	---
Lyon	24	14.1	(8.5-19.8)	13.2	(8.3-20.3)
Mineral	3	---	---	---	---
Nye	22	14.0	(8.1-19.8)	11.1	(6.7-18.3)
Pershing	2	---	---	---	---
Storey	0	---	---	---	---
Washoe	182	10.8	(9.3-12.4)	12.1	(10.3-14.0)
White Pine	1	---	---	---	---
Unknown	0	---	---	---	---
Total	988	10.1	(9.5-10.8)	11.0	(10.3-11.7)

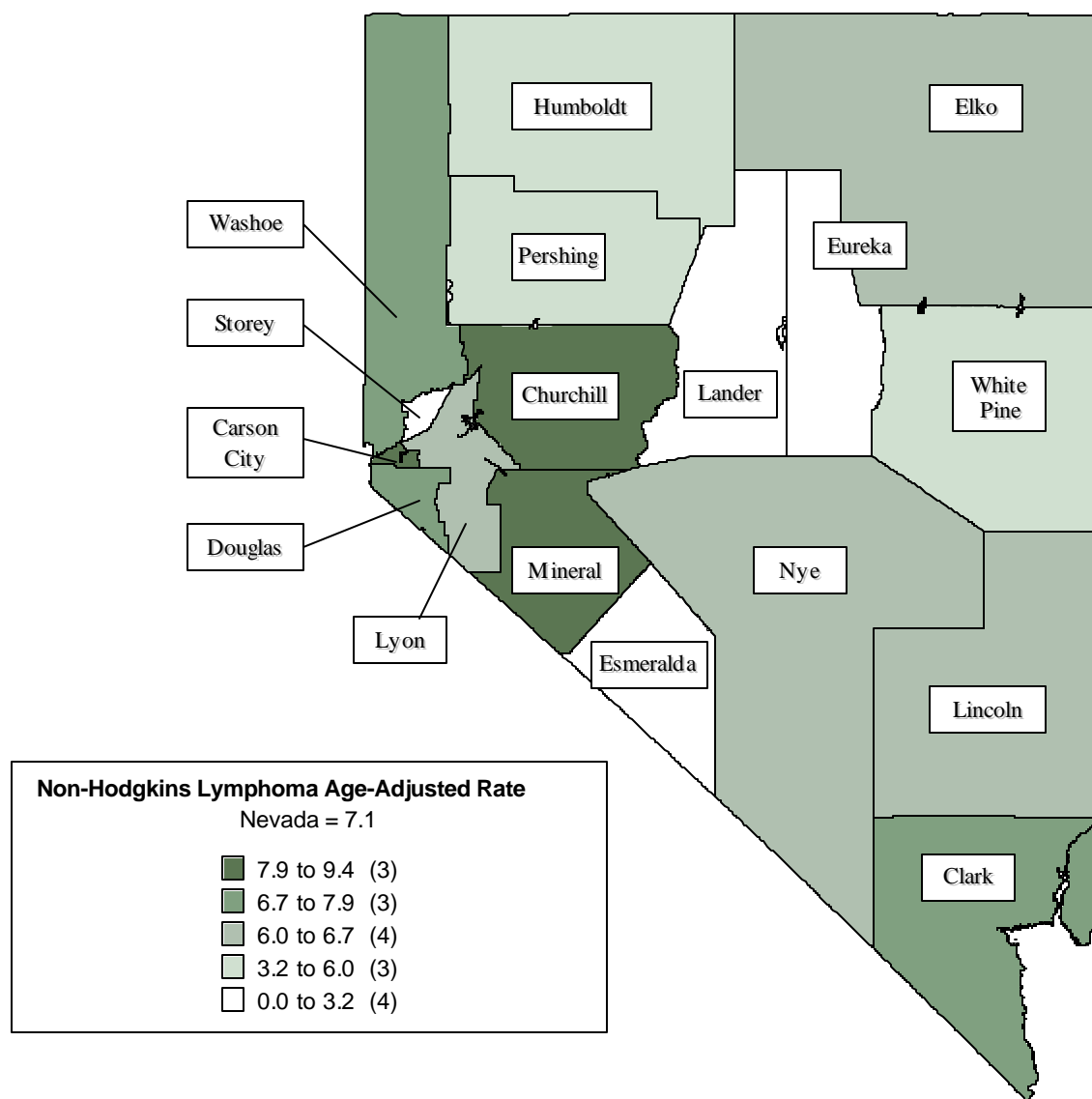
Note: The "----" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 162. Non-Hodgkin's Lymphoma Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1997-2001

Age Group	Discharges	Charges (\$)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	1	---	---	---	---	---	---
1-4	4	---	---	---	---	---	---
5-14	13	535,164	41,166	37,868	105	8.1	8.0
15-24	21	2,216,272	105,537	62,882	357	17.0	12.0
25-34	54	2,423,345	44,877	33,358	639	11.8	7.0
35-44	49	2,562,859	52,303	24,214	523	10.7	6.0
45-54	135	4,957,572	36,723	24,622	1,118	8.3	6.0
55-64	188	7,088,232	37,703	24,707	1,637	8.7	6.0
65-74	263	10,143,639	38,569	22,365	2,396	9.1	6.0
75-84	211	6,998,059	33,166	21,401	1,746	8.3	7.0
85+	49	1,485,744	30,321	23,552	408	8.3	6.0
Unknown	0	---	---	---	---	---	---
Total	988	501,834	966	36,539	81	966.0	9.1

MORTALITY

**Figure 109. Non-Hodgkin's Lymphoma Age-Adjusted (2001) Mortality Rates,
Nevada Residents, 1997-2001**



Note: Rates are per 100,000 population and age-adjusted to 2001 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 110. Non-Hodgkin's Lymphoma Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1997-2001

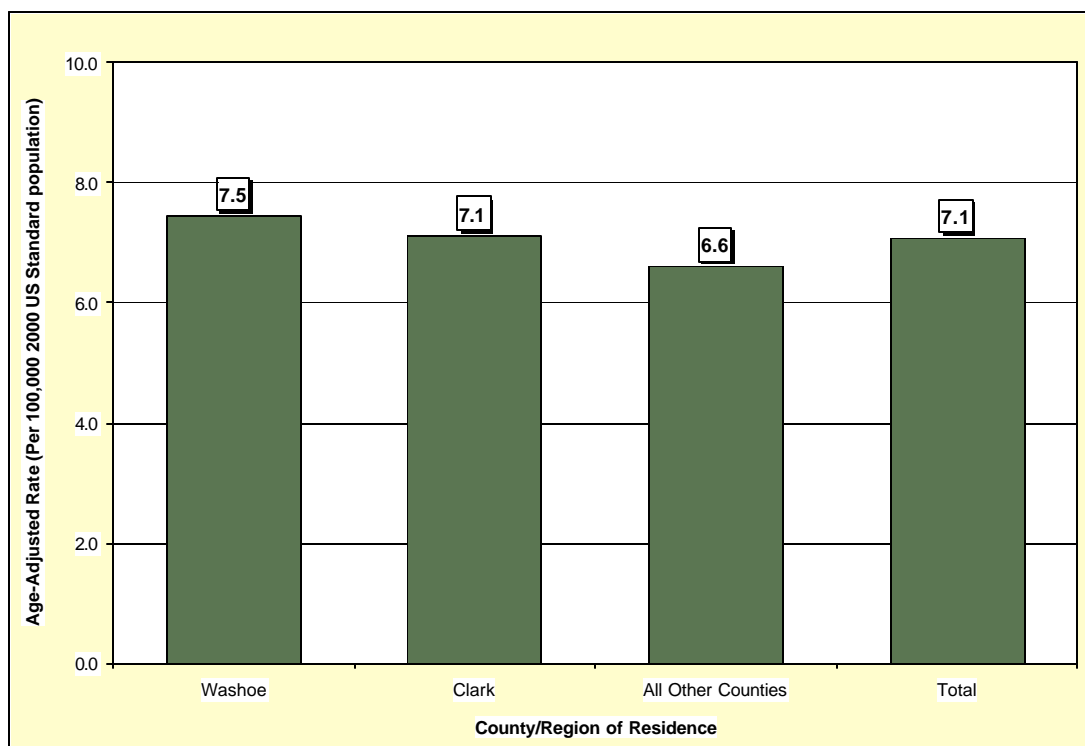


Figure 111. Non-Hodgkin's Lymphoma Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1997-2001

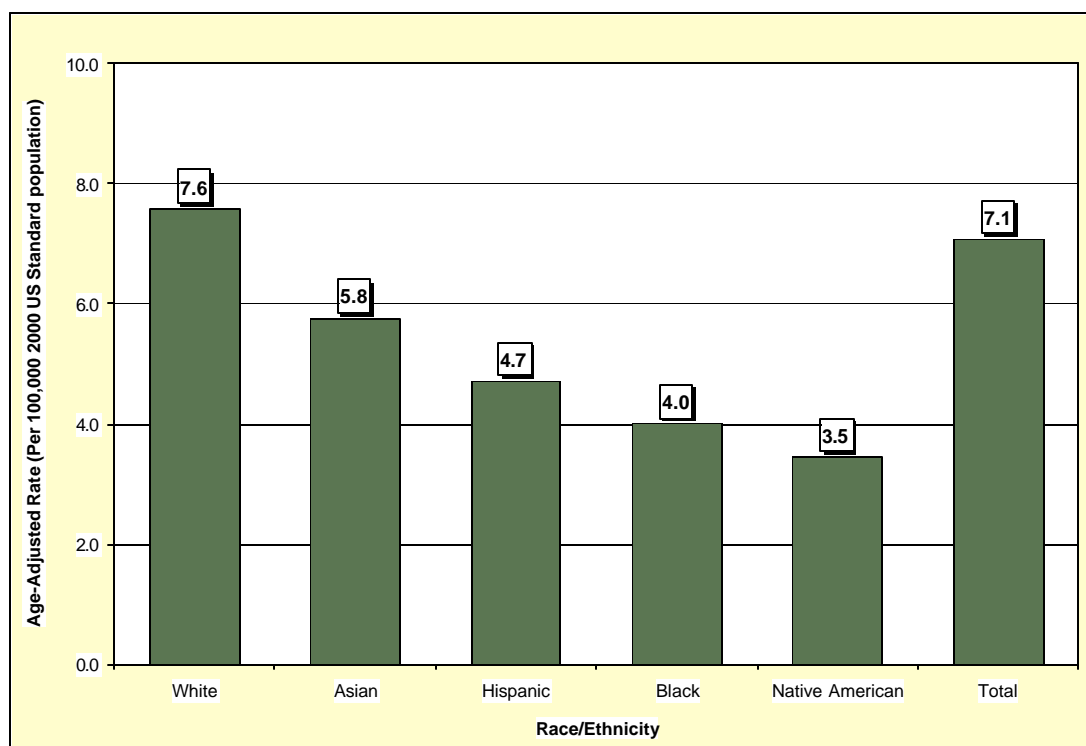


Table 163. Non-Hodgkin's Lymphoma Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	599	398	108	93
Rate*	7.1	7.1	7.5	6.6
95% C.I.	(6.5-7.7)	(6.4-7.9)	(6.1-9.1)	(5.3-8.2)
Gender				
Male	356	233	60	63
Rate*	9.4	9.5	9.4	9.4
95% C.I.	(8.4-10.6)	(8.2-11.0)	(7.0-12.5)	(7.1-12.4)
Female	243	165	48	30
Rate*	5.3	5.5	6.1	4.1
95% C.I.	(4.7-6.1)	(4.6-6.4)	(4.5-8.2)	(2.7-5.9)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	535	350	99	86
Rate*	7.6	7.8	7.7	6.7
95% C.I.	(6.9-8.3)	(7.0-8.7)	(6.3-9.5)	(5.3-8.3)
Black	17	16	1	0
Rate*	4.0	4.1	---	---
95% C.I.	(2.3-7.1)	(2.3-7.4)	---	---
Native American	3	0	1	2
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	20	17	2	1
Rate*	5.8	6.0	---	---
95% C.I.	(3.4-11.3)	(3.3-13.0)	---	---
Hispanic	24	15	5	4
Rate*	4.7	4.0	---	---
95% C.I.	(2.8-7.8)	(2.0-7.8)	---	---
Other/Unknown	0	0	0	0

Note: The "—" is used for rates calculated on numbers less than ten.

*Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 164. Non-Hodgkin's Lymphoma Mortality by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	599	398	108	93
Rate*	6.2	6.0	6.4	6.7
95% C.I.	(5.7-6.6)	(5.4-6.6)	(5.2-7.6)	(5.3-8.0)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	4	4	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	10	7	2	1
Rate*	0.7	---	---	---
95% C.I.	(0.3-1.1)	---	---	---
35-44	20	12	5	3
Rate*	1.3	1.1	---	---
95% C.I.	(0.7-1.8)	(0.5-1.8)	---	---
45-54	54	37	8	9
Rate*	4.2	4.4	---	---
95% C.I.	(3.1-5.3)	(3.0-5.8)	---	---
55-64	97	60	18	19
Rate*	10.6	9.7	12.0	13.1
95% C.I.	(8.5-12.7)	(7.2-12.1)	(6.5-17.5)	(7.2-19.1)
65-74	174	109	37	28
Rate*	27.1	25.2	36.1	26.1
95% C.I.	(23.1-31.1)	(20.5-29.9)	(24.5-47.7)	(16.4-35.8)
75-84	187	136	28	23
Rate*	53.2	58.2	48.4	38.4
95% C.I.	(45.6-60.9)	(48.4-68.0)	(30.5-66.4)	(22.7-54.1)
85+	52	32	10	10
Rate*	68.2	68.5	64.5	71.3
95% C.I.	(49.7-86.7)	(44.8-92.3)	(24.5-104.4)	(27.1-115.4)
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten.

Table 165. Non-Hodgkin's Lymphoma Mortality by County of Residence, Nevada Residents, 1997-2001

County of Residence	1997-2001 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	26	10.4	(6.4-14.4)	9.4	(6.1-14.0)
Churchill	9	---	---	---	---
Clark	398	6.0	(5.4-6.6)	7.1	(6.4-7.9)
Douglas	14	6.8	(3.3-10.4)	6.7	(3.5-12.2)
Elko	9	---	---	---	---
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	3	---	---	---	---
Lander	0	---	---	---	---
Lincoln	1	---	---	---	---
Lyon	12	7.1	(3.1-11.0)	6.0	(3.1-11.1)
Mineral	3	---	---	---	---
Nye	13	8.3	(3.8-12.8)	6.3	(3.1-12.2)
Pershing	1	---	---	---	---
Storey	0	---	---	---	---
Washoe	108	6.4	(5.2-7.6)	7.5	(6.1-9.1)
White Pine	2	---	---	---	---
Unknown	0	---	---	---	---
Total	599	6.2	(5.7-6.6)	7.1	(6.5-7.7)

Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 166. Non-Hodgkin's Lymphoma Mortality by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity		Gender		
		Male	Female	Total
White	Mortality	319	216	535
	Rate*	10.1	5.7	7.6
	95% C.I.	(8.9-11.4)	(5.0-6.5)	(6.9-8.3)
Black	Mortality	10	7	17
	Rate*	5.5	---	4.0
	95% C.I.	(2.5-13.3)	---	(2.3-7.1)
Native American	Mortality	1	2	3
	Rate*	---	---	---
	95% C.I.	---	---	---
Asian	Mortality	12	8	20
	Rate*	7.6	---	5.8
	95% C.I.	(3.7-19.5)	---	(3.4-11.3)
Hispanic	Mortality	14	10	24
	Rate*	4.5	4.5	4.7
	95% C.I.	(2.2-10.8)	(2.0-9.0)	(2.8-7.8)
Other/Unknown		0	0	0
Total	Mortality	356	243	599
	Rate*	9.4	5.3	7.1
	95% C.I.	(8.4-10.6)	(4.7-6.1)	(6.5-7.7)

Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 167. Non-Hodgkin's Lymphoma Mortality by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	1	0	1
Rate*	---	---	---
95% C.I.	---	---	---
15-24	3	1	4
Rate*	---	---	---
95% C.I.	---	---	---
25-34	8	2	10
Rate*	---	---	0.7
95% C.I.	---	---	(0.3-1.1)
35-44	13	7	20
Rate*	1.6	---	1.3
95% C.I.	(0.7-2.5)	---	(0.7-1.8)
45-54	36	18	54
Rate*	5.5	2.8	4.2
95% C.I.	(3.7-7.3)	(1.5-4.2)	(3.1-5.3)
55-64	58	39	97
Rate*	12.7	8.5	10.6
95% C.I.	(9.5-16.0)	(5.8-11.1)	(8.5-12.7)
65-74	100	74	174
Rate*	31.6	22.7	27.1
95% C.I.	(25.4-37.7)	(17.6-27.9)	(23.1-31.1)
75-84	105	82	187
Rate*	66.2	42.5	53.2
95% C.I.	(53.6-78.9)	(33.3-51.7)	(45.6-60.9)
85+	32	20	52
Rate*	129.3	38.8	68.2
95% C.I.	(84.5-174.1)	(21.8-55.9)	(49.7-86.7)
Unknown	0	0	0
Total	356	243	599
Rate*	7.2	5.1	6.2
95% C.I.	(6.4-7.9)	(4.4-5.7)	(5.7-6.6)

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten.

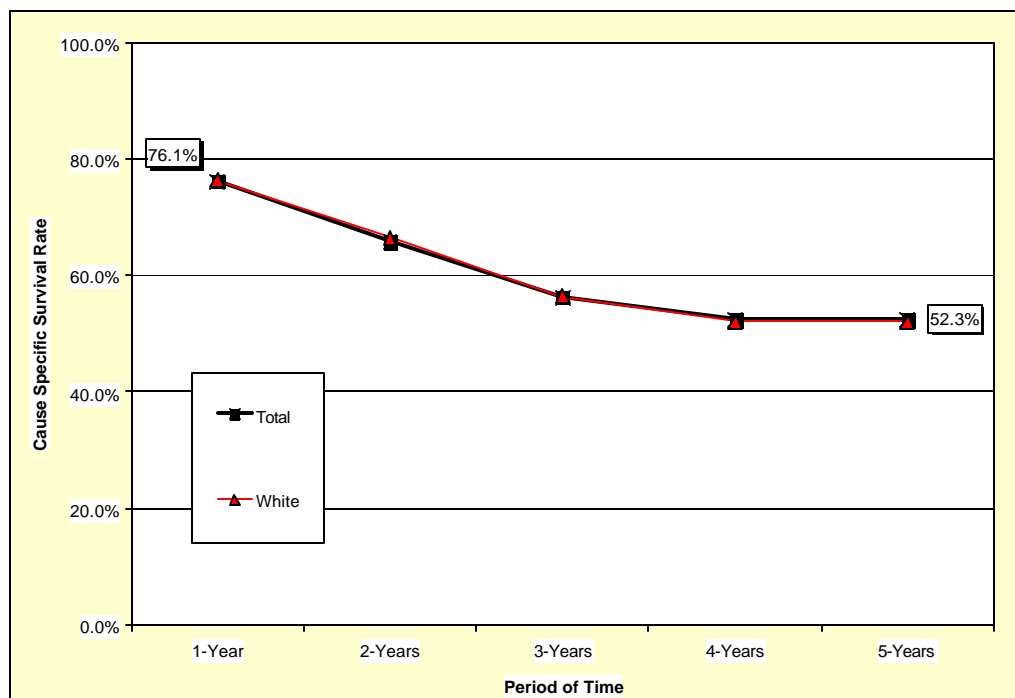
Table 168. Median Age at Death from Non-Hodgkin's Lymphoma by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity	Gender					
	Male		Female		Total	
	Deaths	Median Age	Deaths	Median Age	Deaths	Median Age
White	319	71.0	216	73.0	535	72.0
Black	10	70.0	7	64.0	17	66.0
Native American	1	---	2	---	3	---
Asian	12	66.5	8	73.0	20	72.0
Hispanic	14	63.0	10	76.5	24	69.0
Other/Unknown	0	---	0	---	0	---
Total	356	70.0	243	73.0	599	72.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 112. Survival Rates for Non-Hodgkin's Lymphoma by Race/Ethnicity, Nevada Residents, 1997-2001



Notes: The survival rate for those racial/ethnic groups not included in this chart could not be calculated due to small cell size.

Figure 113. Survival Rates for Non-Hodgkin's Lymphoma by Stage of Cancer at Diagnosis, Nevada Residents, 1997-2001

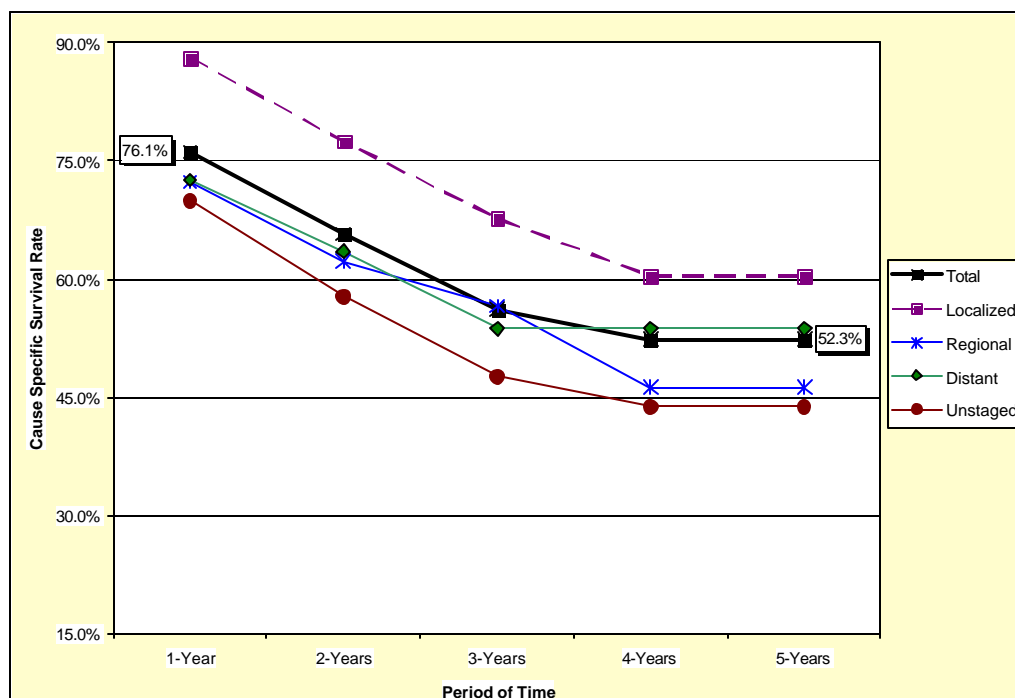


Table 169. Cause-Specific Survival Rates for Non-Hodgkin's Lymphoma by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	1,042	76.1%	65.7%	56.1%	52.3%	52.3%	>5 years
Male	586	74.4%	61.7%	52.9%	51.3%	51.3%	>5 years
Female	456	78.4%	71.2%	60.5%	53.4%	53.4%	>5 years
Race/Ethnicity							
White	924	76.3%	66.5%	56.5%	52.0%	52.0%	>5 years
Male	508	75.5%	63.0%	53.7%	51.8%	51.8%	>5 years
Female	416	77.3%	71.2%	60.1%	51.9%	51.9%	>5 years
Black	35	---	---	---	---	---	---
Male	25	---	---	---	---	---	---
Female	10	---	---	---	---	---	---
Native American	4	---	---	---	---	---	---
Male	3	---	---	---	---	---	---
Female	1	---	---	---	---	---	---
Asian	24	---	---	---	---	---	---
Male	15	---	---	---	---	---	---
Female	9	---	---	---	---	---	---
Hispanic	49	---	---	---	---	---	---
Male	31	---	---	---	---	---	---
Female	18	---	---	---	---	---	---

Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 170. Cause-Specific Survival Rates for Non-Hodgkin's Lymphoma by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1997-2001

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	1,042	586	456
	One Year	76.1%	74.4%	78.4%
	5 Years	52.3%	51.3%	53.4%
	Median Survival	>5 years	>5 years	>5 years
Stage at Diagnosis				
In situ	Cases	0	0	0
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Localized	Cases	303	160	143
	One Year	88.1%	89.7%	86.4%
	5 Years	60.4%	69.5%	51.9%
	Median Survival	>5 years	>5 years	>5 years
Regional	Cases	85	53	32
	One Year	72.3%	69.0%	---
	5 Years	46.3%	52.5%	---
	Median Survival	3.64	>5 years	---
Distant	Cases	331	187	144
	One Year	72.6%	70.6%	75.2%
	5 Years	53.7%	49.4%	59.6%
	Median Survival	>5 years	2.93	>5 years
Unstaged	Cases	323	186	137
	One Year	69.9%	67.5%	73.4%
	5 Years	43.8%	37.8%	---
	Median Survival	2.76	2.37	---

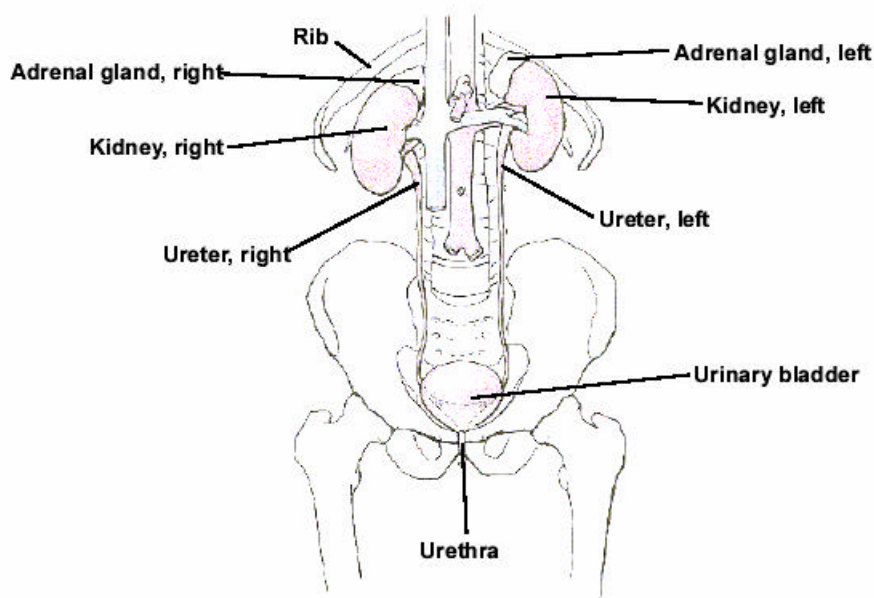
Notes: 1) The "—" indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

KIDNEY AND RENAL PELVIS CANCER

KIDNEY AND RENAL PELVIS CANCER

GENERAL PROFILE⁴

Figure 114. Anatomy of the Urinary System⁵



General Anatomy: The kidneys are two reddish-brown, bean-shaped organs located just above the waist, one on each side of the spine. They are part of the urinary system. Their main function is to filter blood and produce urine to rid the body of waste. As blood flows through the kidneys, they remove waste products and unneeded water. The resulting liquid, urine, collects in the middle of each kidney in an area called the renal pelvis. Urine drains from each kidney through a long tube, the ureter, into the bladder, where it is stored. Urine leaves the body through another tube, called the urethra. The kidneys also produce substances that help control blood pressure and regulate the formation of red blood cells.

Risk Factors: Tobacco use, obesity, occupational exposure, radiation, phenacetin (prolonged heavy use of this painkiller), dialysis, and Von Hippel-Lindau (VHL) disease.

Signs and Symptoms: Blood in the urine, a lump or mass in the kidney area, and other less common symptoms may include: fatigue, loss of appetite, weight loss, recurrent fevers, a pain in the side that doesn't go away, or a general feeling of poor health.

Diagnosing the Cancer: Health exams, intravenous pyelogram (IVP), arteriography, computed tomography (CAT) scan, magnetic resonance imaging (MRI), and ultrasonography.

Treatment: Surgery (Simple or Radical Nephrectomy), arterial embolization, radiation therapy, biological therapy, chemotherapy, and hormone therapy.

HIGHLIGHTS

- The ratio of the age-adjusted incidence rate, 11.8, to the age-adjusted mortality rate, 3.7 (per 100,000 – 2000 US Standard population), for Kidney and Renal Pelvis Cancer was 3.19 during the 1997 to 2001 period, which means that for every 3.19 Kidney and Renal Pelvis Cancer cases diagnosed during this period, there was one death caused by this type of cancer in Nevada.
- Nevadan females had a higher ratio than males when the age-adjusted incidence and age-adjusted mortality rates for Kidney and Renal Pelvis Cancer were compared. For every female death due to this type of cancer there were 3.73 female cases diagnosed, while there were 2.85 male cases for every male Kidney and Renal Pelvis Cancer death in Nevada from 1997 to 2001.
- The median age at diagnosis of Kidney and Renal Pelvis Cancer for Nevada residents and females was 65 years of age from 1997 to 2001 while the median age for males was 64 years. The median age at time of death due to Kidney and Renal Pelvis Cancer was 71 years for Nevada overall, 68.5 years of age for males and 73 years of age for females.

INCIDENCE

- There were 1,090 cases of Kidney and Renal Pelvis Cancer in Nevada from 1997 to 2001. Nevada's incidence rate for Kidney and Renal Pelvis Cancer (11.8) was only slightly higher than the National rate of 11.3 (per 100,000 – 2000 US Standard population) from 1997 to 2001. Regional comparisons showed variation between Washoe County (13.1), All Other Counties (11.8) and Clark County (11.5) from 1997 to 2001. Through statistical analysis, none of these differences were found to be significantly different from the National rate of 11.3 (per 100,000 – 2000 US Standard population).
- The higher age-adjusted incidence rate for male Kidney and Renal Pelvis Cancer, 15.7 (14.6-17.0), was statistically significant over the female rate of 8.2 (7.4-9.0), per 100,000 – 2000 US Standard population, during the 1997 to 2001 period.
- Blacks had the highest age-adjusted incidence rate, 13.8, for Kidney and Renal Pelvis Cancer of all racial/ethnic groups and were followed by Whites, Hispanics and Asians with rates of 12.6, 7.9 and 4.8 (per 100,000 – 2000 US Standard population), respectively, during the 1997 to 2001 period.
- The median age at diagnosis for Other/Unknown (56 years) was the lowest of any racial/ethnic group and was significantly lower than the statewide median age of 64 years for the 1997 to 2001 period.

INPATIENT HOSPITAL DISCHARGES

- There were 905 hospital inpatient discharges with a primary diagnosis of Kidney and Renal Pelvis Cancer to Nevada Residents from 1997 to 2001. Regional comparisons

showed little difference between the age-adjusted inpatient discharge rates between All Other Counties (10.0), Clark County (9.8) and Washoe County (9.2) (per 100,000 – 2000 US Standard population).

- Total billed charges for Kidney and Renal Pelvis Cancer inpatient hospital discharges in Nevada totaled nearly 26.8 million dollars from 1997 to 2001. The overall average billed charge per day for a hospital inpatient discharge due to this type of cancer was approximately \$4,703 in Nevada from 1997 to 2001.
- Washoe County had the highest median total billed amount (\$33,101), while the statewide median billed amount was \$29,630 from 1997 to 2001; with Clark County and All Other Counties with median billed amounts of \$31,002 and \$20,710.

MORTALITY

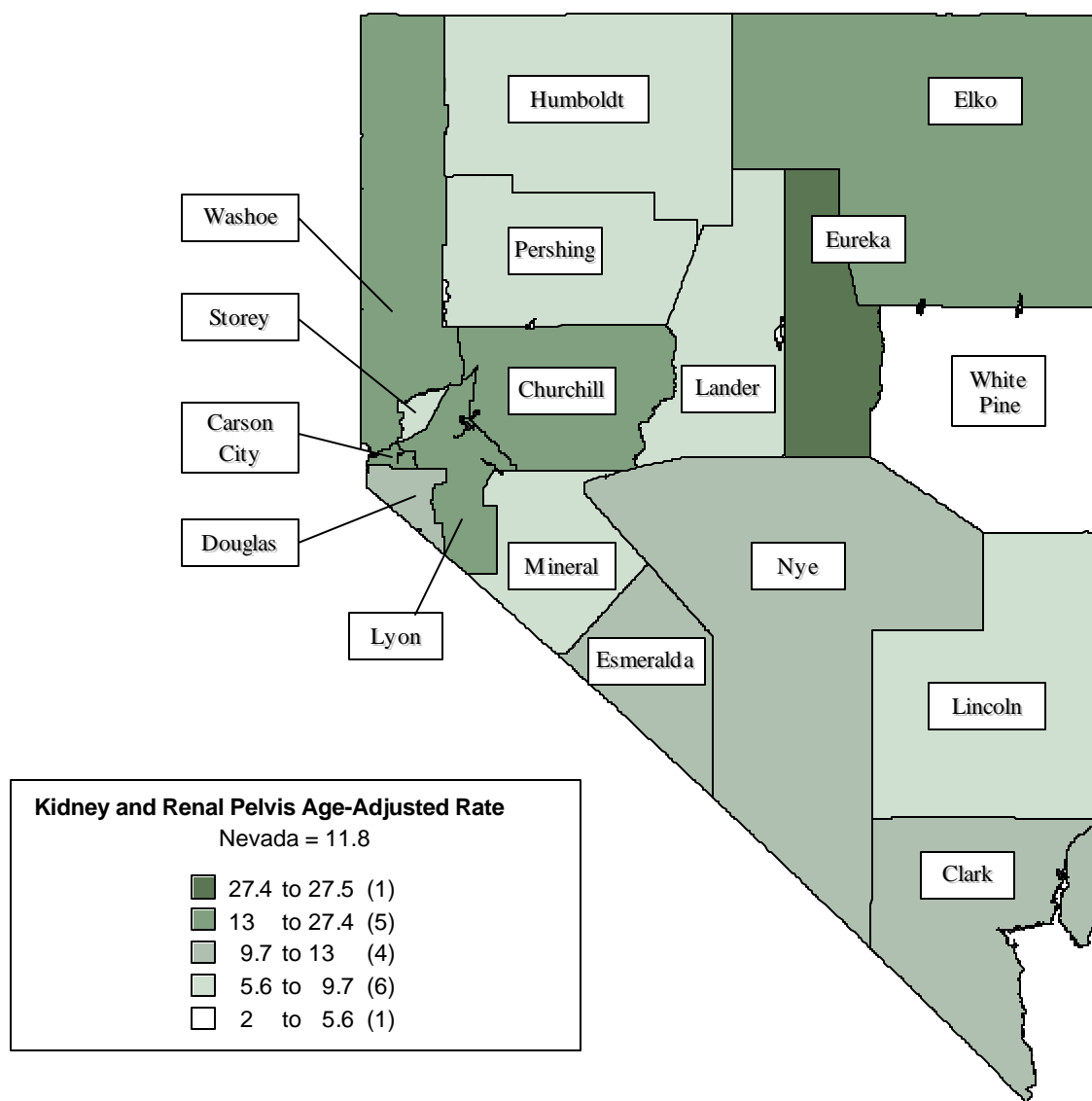
- There were 327 resident deaths due to Kidney and Renal Pelvis Cancer from 1997 to 2001. Males had a statistically significant age-adjusted mortality rate, 5.5 (4.7-6.3), more than double the female rate of 2.2 (1.8-2.7), per 100,000 – 2000 US Standard population, during this period.
- Blacks, as a racial/ethnic group, had the highest age-adjusted mortality rate for Kidney and Renal Pelvis Cancer of any racial/ethnic group, 30.0, and were followed by Whites, Asians, Native Americans, and Hispanics with rates of 23.7, 12.5, 12.0, and 11.3, (per 100,000 – 2001 US Standard population) respectively, from 1997 to 2001.
- Males had a median age at death from Kidney and Renal Pelvis Cancer five years earlier than females in Nevada from 1997 to 2001 with a median age at death of 68.5 and 73 years, respectively.

SURVIVAL RATE

- The one-year survival rate for Kidney and Renal Pelvis Cancer in Nevada was 71.9% during the 1997 to 2001 period, while the five-year survival rate was 52.9% during this same time. The median survival rate in Nevada was greater than five years for Kidney and Renal Pelvis Cancer.
- Females in Nevada had a slightly higher one-year survival rate (75.4%) than males (70.0%) for Kidney and Renal Pelvis Cancer during the 1997 to 2001 period. This trend continued for the five-year survival rate with females and males at 49.5% and 59.1%, respectively. Males had a median survival time of 3.91, and females had median survival times of over five years.
- The Kidney and Renal Pelvis Cancer Survival rate varies greatly by the stage of the cancer at time of diagnosis. Those diagnosed at the localized stage had the highest one- and five-year survival rates with 83.8% and 65.1%, respectively. This was followed by those with regional, and then distant diagnoses with rates of 78.4% and 61.0% for the one-year period.

INCIDENCE

**Figure 115. Kidney and Renal Pelvis Cancer Age-Adjusted (2001) Incidence Rates,
Nevada Residents, 1997-2001**



Note: Rates are per 100,000 population and age-adjusted to 2001 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 116. Kidney and Renal Pelvis Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1997-2001

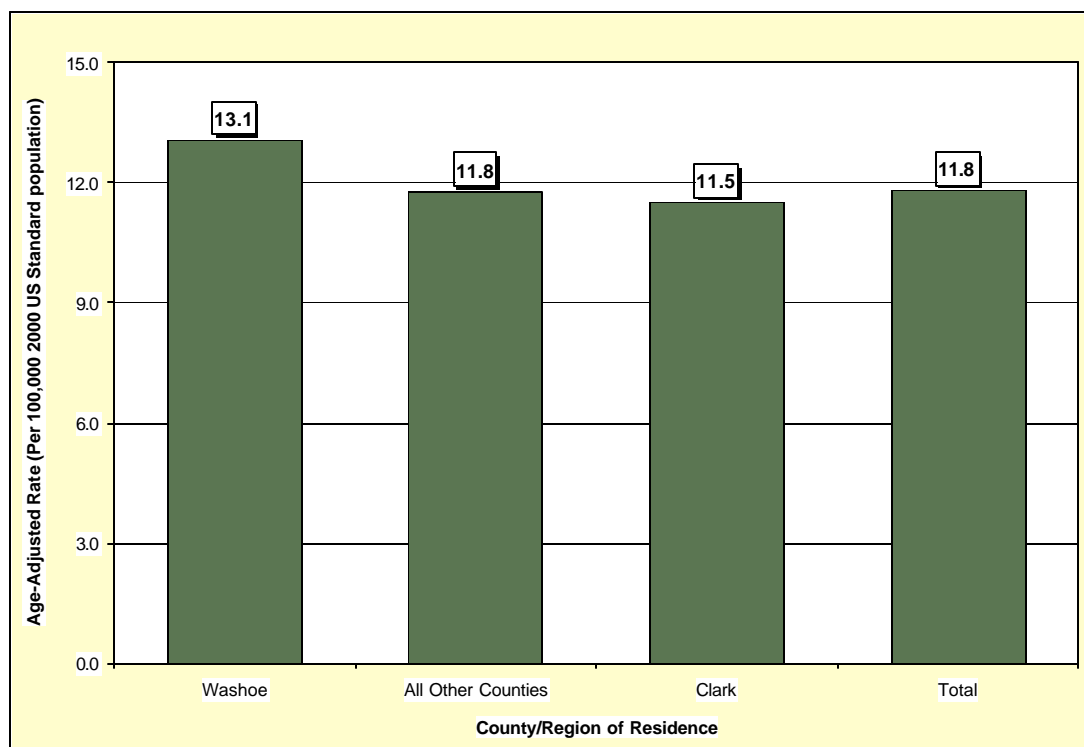


Figure 117. Kidney and Renal Pelvis Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1997-2001

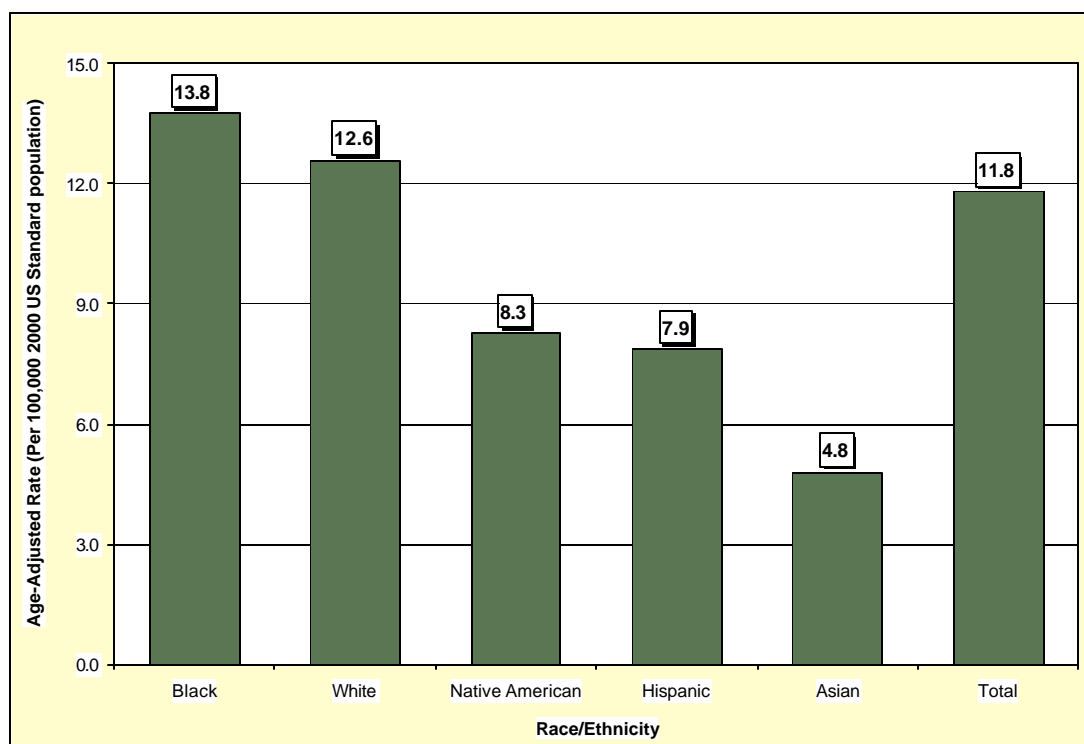


Table 171. Kidney and Renal Pelvis Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1997-2001)
Total						
Cases	1,090	711	204	174	1	19,693
Rate*	11.8	11.5	13.1	11.8	---	11.3
95% C.I.	(11.1-12.5)	(10.6-12.4)	(11.3-15.0)	(10.1-13.7)	---	(11.2-11.5)
Gender						
Male	706	459	128	118	1	12,165
Rate*	15.7	15.3	16.9	16.3	---	15.7
95% C.I.	(14.6-17.0)	(13.8-16.9)	(14.0-20.5)	(13.4-19.8)	---	(15.4-16.0)
Female	384	252	76	56	0	7,528
Rate*	8.2	8.0	9.5	7.5	---	7.8
95% C.I.	(7.4-9.0)	(7.0-9.1)	(7.5-12.0)	(5.7-9.9)	---	(7.7-8.0)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	943	597	186	159	1	16,311
Rate*	12.6	12.4	13.8	11.9	---	11.7
95% C.I.	(11.8-13.4)	(11.4-13.5)	(11.9-16.0)	(10.1-14.0)	---	(11.5-11.9)
Black	63	55	6	2	0	2,019
Rate*	13.8	13.2	---	---	---	13.3
95% C.I.	(10.3-18.4)	(9.6-18.1)	---	---	---	(12.7-13.9)
Native American	8	2	2	4	0	165
Rate*	---	---	---	---	---	10.0
95% C.I.	---	---	---	---	---	(8.5-8.5)
Asian	19	17	1	1	0	1,132
Rate*	4.8	5.1	---	---	---	6.4
95% C.I.	(2.8-10.1)	(2.9-11.9)	---	---	---	(6.0-6.8)
Hispanic	50	33	9	8	0	2,019
Rate*	7.9	7.3	---	---	---	11.0
95% C.I.	(5.6-11.2)	(4.8-11.5)	---	---	---	(10.5-11.5)
Other/Unknown	7	7	0	0	0	66

* Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Note: The "—" is used for rates calculated on numbers less than ten and SEER numbers less than five. Caution should be used when comparing rates for racial/ethnic groups to the National (SEER) rates. See Technical Notes for more information.

Table 172. Kidney and Renal Pelvis Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1997-2001)
Total						
Cases	1,090	711	204	174	1	19,693
Rate*	11.2	10.7	12.2	12.5	---	10.6
95% C.I.	(10.5-11.9)	(9.9-11.5)	(10.5-13.8)	(10.6-14.3)	---	(10.5-10.8)
Age Group						
<1	0	0	0	0	0	49
Rate*	---	---	---	---	---	1.8
95% C.I.	---	---	---	---	---	(1.3-2.3)
1-4	11	9	2	0	0	215
Rate*	1.9	---	---	---	---	1.9
95% C.I.	(0.8-3.1)	---	---	---	---	(1.7-2.2)
5-14	4	3	1	0	0	106
Rate*	---	---	---	---	---	0.4
95% C.I.	---	---	---	---	---	(0.3-0.5)
15-24	2	1	0	0	1	58
Rate*	---	---	---	---	---	0.2
95% C.I.	---	---	---	---	---	(0.2-0.3)
25-34	10	8	0	2	0	236
Rate*	0.7	---	---	---	---	0.8
95% C.I.	(0.3-1.1)	---	---	---	---	(0.7-0.9)
35-44	71	36	19	16	0	1,258
Rate*	4.6	3.4	6.7	7.1	---	4.0
95% C.I.	(3.5-5.6)	(2.3-4.6)	(3.7-9.7)	(3.6-10.5)	---	(3.8-4.2)
45-54	174	110	38	26	0	3,062
Rate*	13.6	13.0	16.1	12.9	---	13.4
95% C.I.	(11.5-15.6)	(10.6-15.4)	(11.0-21.2)	(8.0-17.9)	---	(12.9-13.9)
55-64	290	199	44	47	0	4,395
Rate*	31.7	32.0	29.3	32.5	---	31.4
95% C.I.	(28.0-35.3)	(27.6-36.5)	(20.6-38.0)	(23.2-41.8)	---	(30.5-32.3)
65-74	302	204	56	42	0	5,229
Rate*	47.0	47.2	54.6	39.2	---	45.3
95% C.I.	(41.7-52.3)	(40.7-53.6)	(40.3-68.9)	(27.3-51.0)	---	(44.1-46.6)
75-84	196	121	40	35	0	3,979
Rate*	55.8	51.8	69.2	58.4	---	54.7
95% C.I.	(48.0-63.6)	(42.6-61.0)	(47.7-90.6)	(39.1-77.8)	---	(53.0-56.4)
85+	29	20	3	6	0	1,106
Rate*	38.0	42.8	---	---	---	44.6
95% C.I.	(24.2-51.9)	(24.1-61.6)	---	---	---	(42.0-47.2)
Unknown	1	0	1	0	0	0

* Rates are per 100,000 age-specific population.

Note: The “---” is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 173. Kidney and Renal Pelvis Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1997-2001

County of Residence at Diagnosis	1997-2001 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	42	16.9	(11.8-22.0)	14.7	(10.6-20.1)
Churchill	19	15.8	(8.7-22.8)	16.1	(9.7-25.9)
Clark	711	10.7	(9.9-11.5)	11.5	(10.6-12.4)
Douglas	25	12.2	(7.4-17.0)	9.8	(6.3-15.2)
Elko	18	7.8	(4.2-11.4)	13.1	(7.3-22.6)
Esmeralda	1	---	---	---	---
Eureka	2	---	---	---	---
Humboldt	4	---	---	---	---
Lander	2	---	---	---	---
Lincoln	2	---	---	---	---
Lyon	30	17.6	(11.3-24.0)	15.9	(10.6-23.2)
Mineral	2	---	---	---	---
Nye	22	14.0	(8.1-19.8)	10.5	(6.4-17.2)
Pershing	2	---	---	---	---
Storey	2	---	---	---	---
Washoe	204	12.2	(10.5-13.8)	13.1	(11.3-15.0)
White Pine	1	---	---	---	---
Unknown	1	---	---	---	---
Total	1,090	11.2	(10.5-11.9)	11.8	(11.1-12.5)

Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 174. Kidney and Renal Pelvis Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity		Gender			
		Male	Female	Other/Unknown	Total
White	Incidence	614	329	0	943
	Rate*	16.7	8.7	---	12.6
	95% C.I.	(15.4-18.2)	(7.8-9.7)	---	(11.8-13.4)
Black	Incidence	39	24	0	63
	Rate*	18.0	10.1	---	13.8
	95% C.I.	(12.1-28.1)	(6.3-15.8)	---	(10.3-18.4)
Native American	Incidence	4	4	0	8
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	12	7	0	19
	Rate*	7.0	---	---	4.8
	95% C.I.	(3.5-18.6)	---	---	(2.8-10.1)
Hispanic	Incidence	32	18	0	50
	Rate*	9.3	6.2	---	7.9
	95% C.I.	(6.1-15.9)	(3.5-10.9)	---	(5.6-11.2)
Other/Unknown		5	2	0	7
Total	Incidence	706	384	0	1,090
	Rate*	15.7	8.2	---	11.8
	95% C.I.	(14.6-17.0)	(7.4-9.0)	---	(11.1-12.5)

Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 175. Kidney and Renal Pelvis Cancer Cases by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender			
	Male	Female	Other/ Unknown	Total
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	6	5	0	11
Rate*	---	---	---	1.9
95% C.I.	---	---	---	(0.8-3.1)
5-14	2	2	0	4
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	2	0	0	2
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	6	4	0	10
Rate*	---	---	---	0.7
95% C.I.	---	---	---	(0.3-1.1)
35-44	44	27	0	71
Rate*	5.5	3.6	---	4.6
95% C.I.	(3.8-7.1)	(2.2-5.0)	---	(3.5-5.6)
45-54	116	58	0	174
Rate*	17.8	9.2	---	13.6
95% C.I.	(14.6-21.1)	(6.8-11.5)	---	(11.5-15.6)
55-64	200	90	0	290
Rate*	44.0	19.5	---	31.7
95% C.I.	(37.9-50.1)	(15.5-23.5)	---	(28.0-35.3)
65-74	202	100	0	302
Rate*	63.7	30.7	---	47.0
95% C.I.	(54.9-72.5)	(24.7-36.8)	---	(41.7-52.3)
75-84	114	82	0	196
Rate*	71.9	42.5	---	55.8
95% C.I.	(58.7-85.1)	(33.3-51.7)	---	(48.0-63.6)
85+	14	15	0	29
Rate*	56.6	29.1	---	38.0
95% C.I.	(26.9-86.2)	(14.4-43.9)	---	(24.2-51.9)
Unknown	0	1	0	1
Total	706	384	0	1,090
Rate*	14.3	8.0	---	11.2
95% C.I.	(13.2-15.3)	(7.2-8.8)	---	(10.5-11.9)

* Rates are per 100,000 age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten.

Table 176. Kidney and Renal Pelvis Cancer Cases by Age Group and Stage, Nevada Residents, 1997-2001

Age Group		Stage				
		In situ	Localized	Regional	Distant	Unstaged
<1	Number	0	0	0	0	0
	Percent	---	---	---	---	---
1-4	Number	0	6	1	2	2
	Percent	---	54.5%	9.1%	18.2%	18.2%
5-14	Number	0	2	1	1	0
	Percent	---	50.0%	25.0%	25.0%	---
15-24	Number	0	0	1	0	1
	Percent	---	---	50.0%	---	50.0%
25-34	Number	0	8	0	1	1
	Percent	---	80.0%	---	10.0%	10.0%
35-44	Number	0	48	8	6	9
	Percent	---	67.6%	11.3%	8.5%	12.7%
45-54	Number	0	106	23	24	21
	Percent	---	60.9%	13.2%	13.8%	12.1%
55-64	Number	0	156	43	49	42
	Percent	---	53.8%	14.8%	16.9%	14.5%
65-74	Number	0	162	34	59	47
	Percent	---	53.6%	11.3%	19.5%	15.6%
75-84	Number	0	89	19	37	51
	Percent	---	45.4%	9.7%	18.9%	26.0%
85+	Number	0	6	6	5	12
	Percent	---	20.7%	20.7%	17.2%	41.4%
Unknown	Number	0	0	1	0	0
	Percent	---	---	100.0%	---	---
Total	Number	0	583	137	184	186
	Percent	---	53.5%	12.6%	16.9%	17.1%

Table 177. Kidney and Renal Pelvis Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1997-2001

Stage		Race/Ethnicity						
		White	Black	Native American	Asian	Hispanic	Other/ Unknown	Total
In situ	Number	0	0	0	0	0	0	0
	Percent	---	---	---	---	---	---	---
Localized	Number	501	40	3	9	27	3	583
	Percent	53.1%	63.5%	37.5%	47.4%	54.0%	42.9%	53.5%
Regional	Number	123	4	1	3	4	2	137
	Percent	13.0%	6.3%	12.5%	15.8%	8.0%	28.6%	12.6%
Distant	Number	164	8	2	4	6	0	184
	Percent	17.4%	12.7%	25.0%	21.1%	12.0%	---	16.9%
Unstaged	Number	155	11	2	3	13	2	186
	Percent	16.4%	17.5%	25.0%	15.8%	26.0%	28.6%	17.1%
Total	Number	943	63	8	19	50	7	1,090
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

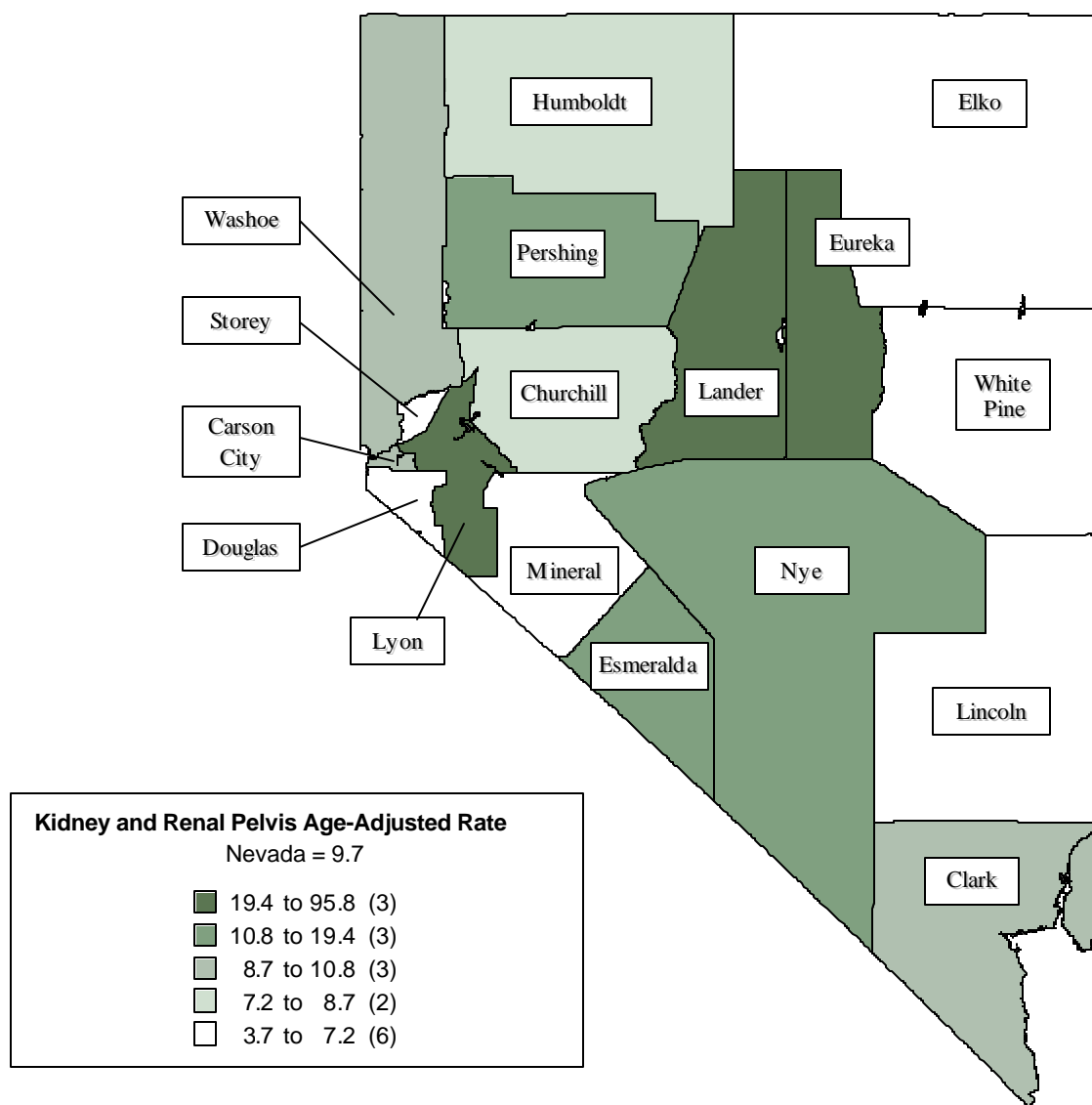
Table 178. Median Age at Diagnosis of Kidney and Renal Pelvis Cancer by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity	Gender					
	Male		Female		Total	
	Incidence	Median Age	Incidence	Median Age	Incidence	Median Age
White	614	64.0	328	65.0	942	64.0
Black	39	61.0	24	61.5	63	61.0
Native American	4	---	4	---	8	70.5
Asian	12	67.0	7	62.0	19	64.0
Hispanic	32	63.5	18	68.0	50	65.0
Other/Unknown	5	54.0	2	---	7	56.0
Total	706	64.0	383	65.0	1,089	64.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

Figure 118. Kidney and Renal Pelvis Cancer Age-Adjusted (2001) Inpatient Discharge Rates, Nevada Residents, 1997-2001



Note: Rates are per 100,000 population and age-adjusted to 2001 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical notes for more information.

Figure 119. Kidney and Renal Pelvis Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1997-2001

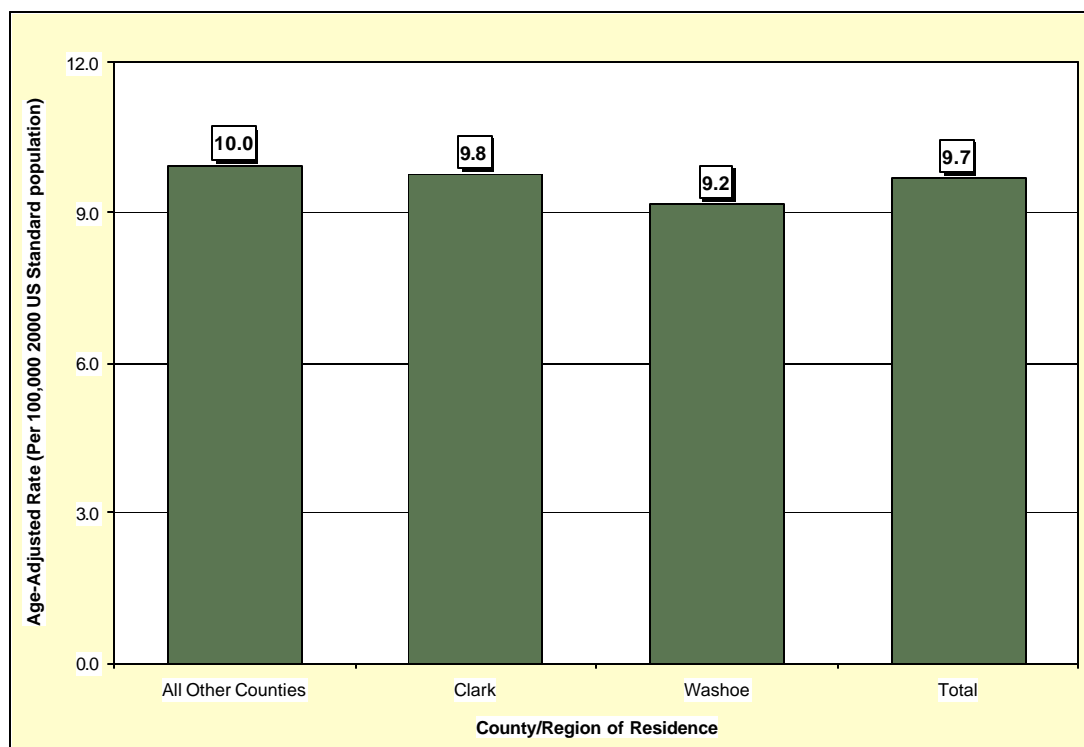


Figure 120. Median Charges for Kidney and Renal Pelvis Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

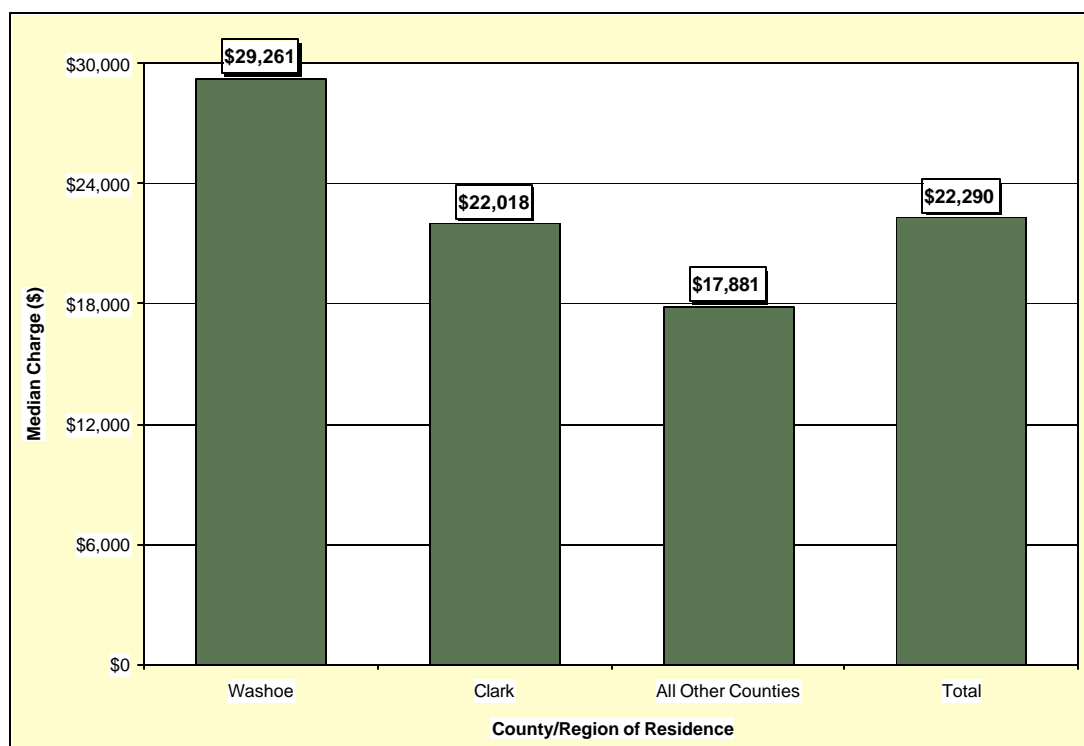


Figure 121. Average Length of Stay for Kidney and Renal Pelvis Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

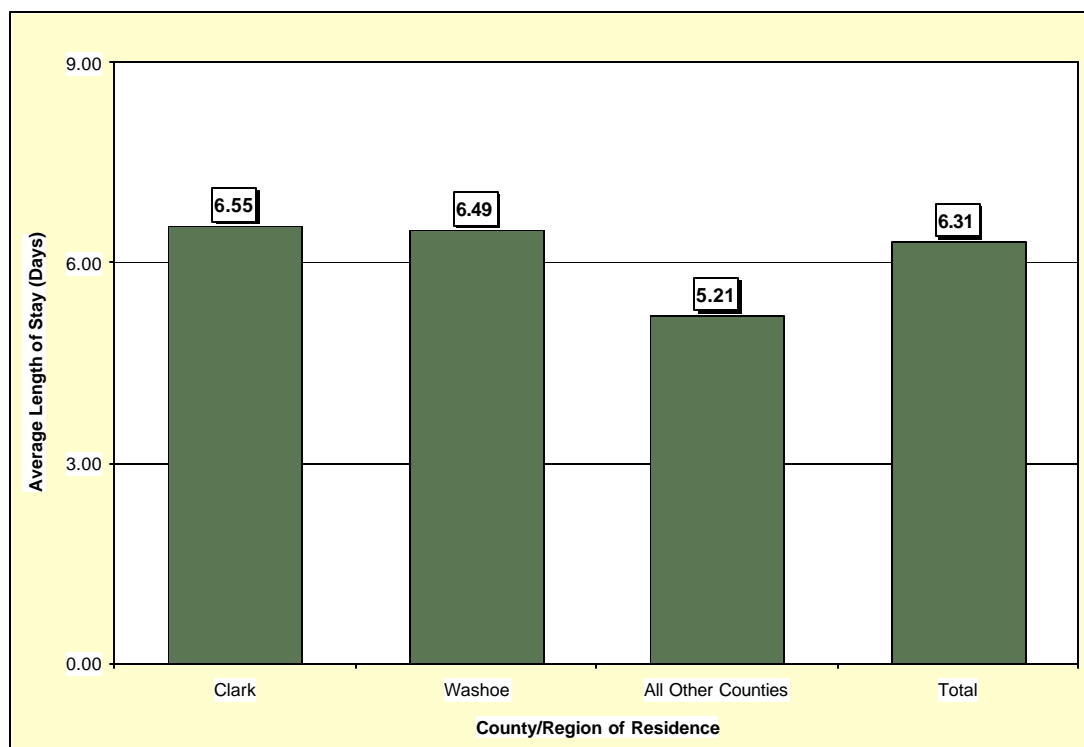


Table 179. Kidney and Renal Pelvis Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	905	611	144	150	0
Rate*	9.7	9.8	9.2	10.0	---
95% C.I.	(9.1-10.4)	(9.0-10.6)	(7.7-10.9)	(8.4-11.7)	---
Gender					
Male	586	390	91	105	0
Rate*	13.0	12.8	12.1	14.2	---
95% C.I.	(11.9-14.2)	(11.5-14.3)	(9.6-15.2)	(11.5-17.4)	---
Female	319	221	53	45	0
Rate*	6.7	6.9	6.6	6.0	---
95% C.I.	(6.0-7.5)	(6.0-7.9)	(4.9-8.7)	(4.3-8.0)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$26,815,356	\$18,942,286	\$4,766,512	\$3,106,558	---
Average Charges	\$29,630	\$31,002	\$33,101	\$20,710	---
Median Charges	\$22,290	\$22,018	\$29,261	\$17,881	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	5,715	4,000	934	781	---
Average LOS	6.3	6.5	6.5	5.2	---
Median LOS	5.0	5.0	5.0	4.0	---

* Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Note: The "—" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 180. Kidney and Renal Pelvis Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	905	611	144	150	0
Rate*	9.3	9.2	8.6	10.7	---
95% C.I.	(8.7-9.9)	(8.4-9.9)	(7.2-10.0)	(9.0-12.5)	---
Age Group					
<1	2	1	0	1	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
1-4	12	12	0	0	0
Rate*	2.1	3.0	---	---	---
95% C.I.	(0.9-3.3)	(1.3-4.7)	---	---	---
5-14	10	10	0	0	0
Rate*	0.7	1.1	---	---	---
95% C.I.	(0.3-1.2)	(0.4-1.7)	---	---	---
15-24	1	1	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
25-34	8	7	0	1	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
35-44	62	36	14	12	0
Rate*	4.0	3.4	4.9	4.2	---
95% C.I.	(3.0-5.0)	(2.3-4.6)	(2.4-7.5)	(1.8-6.6)	---
45-54	149	99	28	22	0
Rate*	11.6	11.7	11.8	9.3	---
95% C.I.	(9.7-13.5)	(9.4-14.0)	(7.5-16.2)	(5.4-13.2)	---
55-64	238	159	34	45	0
Rate*	26.0	25.6	22.6	30.0	---
95% C.I.	(22.7-29.3)	(21.6-29.6)	(15.0-30.3)	(21.2-38.7)	---
65-74	262	183	41	38	0
Rate*	40.8	42.3	40.0	37.1	---
95% C.I.	(35.9-45.7)	(36.2-48.4)	(27.8-52.2)	(25.3-48.9)	---
75-84	142	89	24	29	0
Rate*	40.4	38.1	41.5	50.1	---
95% C.I.	(33.8-47.1)	(30.2-46.0)	(24.9-58.1)	(31.9-68.4)	---
85+	19	14	3	2	0
Rate*	24.9	30.0	---	---	---
95% C.I.	(13.7-36.1)	(14.3-45.7)	---	---	---
Unknown	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 181. Kidney and Renal Pelvis Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender		
	Male	Female	Total
<1	0	2	2
Rate*	---	---	---
95% C.I.	---	---	---
1-4	9	3	12
Rate*	---	---	2.1
95% C.I.	---	---	(0.9-3.3)
5-14	4	6	10
Rate*	---	---	0.7
95% C.I.	---	---	(0.3-1.2)
15-24	1	0	1
Rate*	---	---	---
95% C.I.	---	---	---
25-34	5	3	8
Rate*	---	---	---
95% C.I.	---	---	---
35-44	41	21	62
Rate*	5.1	2.8	4.0
95% C.I.	(3.5-6.6)	(1.6-4.0)	(3.0-5.0)
45-54	95	54	149
Rate*	14.6	8.5	11.6
95% C.I.	(11.7-17.6)	(6.2-10.8)	(9.7-13.5)
55-64	159	79	238
Rate*	34.9	17.1	26.0
95% C.I.	(29.5-40.4)	(13.4-20.9)	(22.7-29.3)
65-74	176	86	262
Rate*	55.5	26.4	40.8
95% C.I.	(47.3-63.7)	(20.9-32.0)	(35.9-45.7)
75-84	85	57	142
Rate*	53.6	29.6	40.4
95% C.I.	(42.2-65.0)	(21.9-37.2)	(33.8-47.1)
85+	11	8	19
Rate*	44.5	---	24.9
95% C.I.	(18.2-70.7)	---	(13.7-36.1)
Unknown	0	0	0
Total	586	319	905
Rate*	11.8	6.7	9.3
95% C.I.	(10.9-12.8)	(5.9-7.4)	(8.7-9.9)

* Rates are per 100,000 age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 182. Kidney and Renal Pelvis Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

County of Residence	1997-2001 Inpatient Hospital Discharges				
	Number	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	25	10.0	(6.1-14.0)	8.7	(5.6-13.1)
Churchill	9	---	---	---	---
Clark	611	9.2	(8.4-9.9)	9.8	(9.0-10.6)
Douglas	18	8.8	(4.7-12.8)	7.1	(4.2-12.0)
Elko	11	4.8	(1.9-7.6)	7.2	(3.5-14.5)
Esmeralda	1	---	---	---	---
Eureka	6	---	---	---	---
Humboldt	5	---	---	---	---
Lander	5	---	---	---	---
Lincoln	2	---	---	---	---
Lyon	37	21.8	(14.7-28.8)	19.4	(13.6-27.3)
Mineral	1	---	---	---	---
Nye	23	14.6	(8.7-20.6)	10.8	(6.7-17.6)
Pershing	3	---	---	---	---
Storey	2	---	---	---	---
Washoe	144	8.6	(7.2-10.0)	9.2	(7.7-10.9)
White Pine	2	---	---	---	---
Unknown	0	---	---	---	---
Total	905	9.3	(8.7-9.9)	9.7	(9.1-10.4)

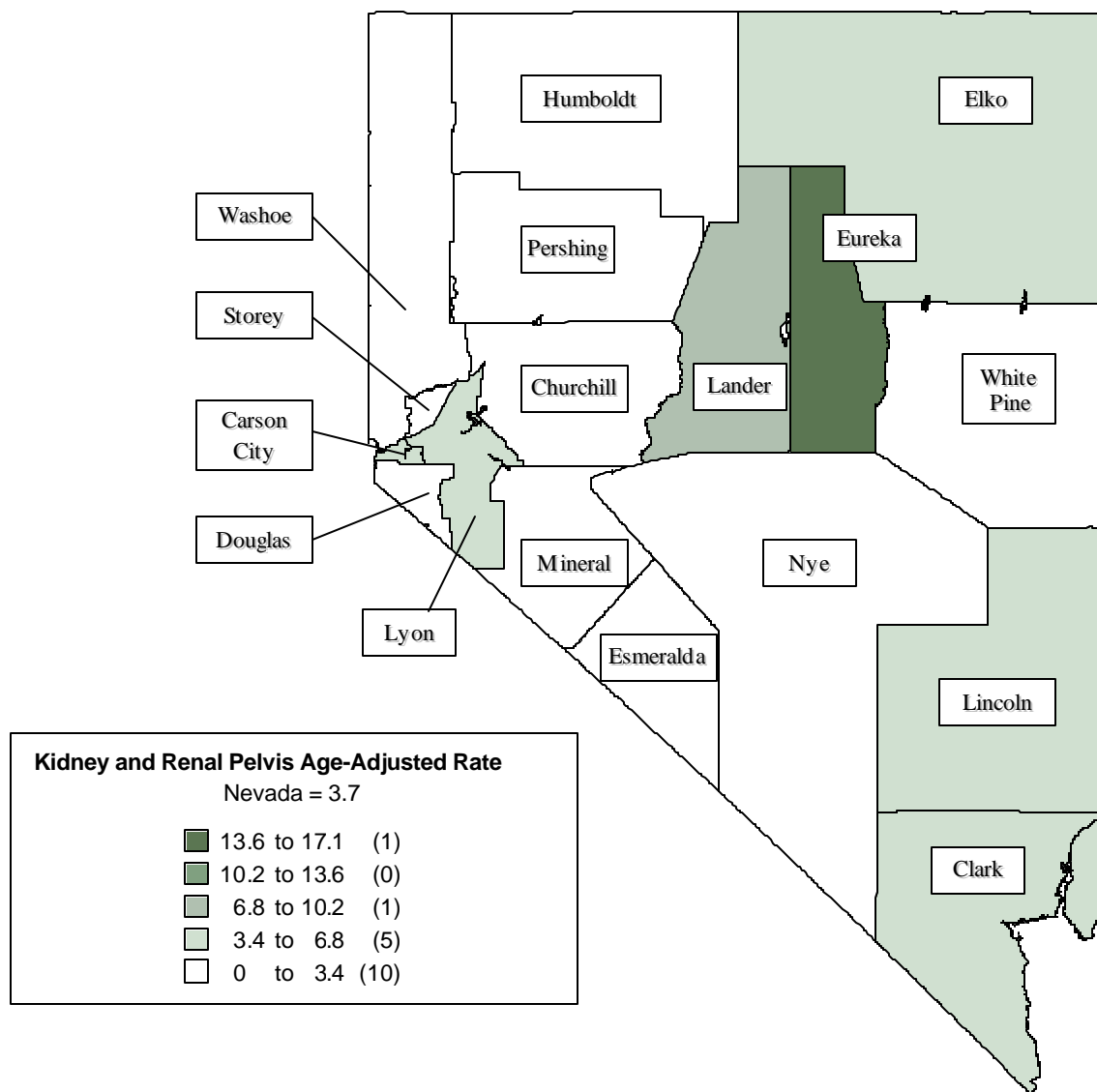
Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 183. Kidney and Renal Pelvis Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1997-2001

Age Group	Discharges	Charges (\$)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	2	---	---	---	---	---	---
1-4	12	399,892	33,324	38,481	90	7.5	7.0
5-14	10	986,495	98,650	39,568	160	16.0	6.5
15-24	1	---	---	---	---	---	---
25-34	8	151,123	18,890	19,239	36	4.5	4.0
35-44	62	1,721,379	27,764	21,189	336	5.4	4.0
45-54	149	3,816,522	25,614	21,446	812	5.4	4.0
55-64	238	7,000,087	29,412	22,866	1,549	6.5	5.0
65-74	262	7,082,511	27,032	22,145	1,512	5.8	5.0
75-84	142	5,039,695	35,491	24,270	1,061	7.5	6.0
85+	19	519,233	27,328	20,081	131	6.9	6.0
Unknown	0	---	---	---	---	---	---
Total	905	486,469	842	27,742	65	842.0	6.4

MORTALITY

**Figure 122. Kidney and Renal Pelvis Cancer Age-Adjusted (2001) Mortality Rates,
Nevada Residents, 1997-2001**



Note: Rates are per 100,000 population and age-adjusted to 2001 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 123. Kidney and Renal Pelvis Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1997-2001

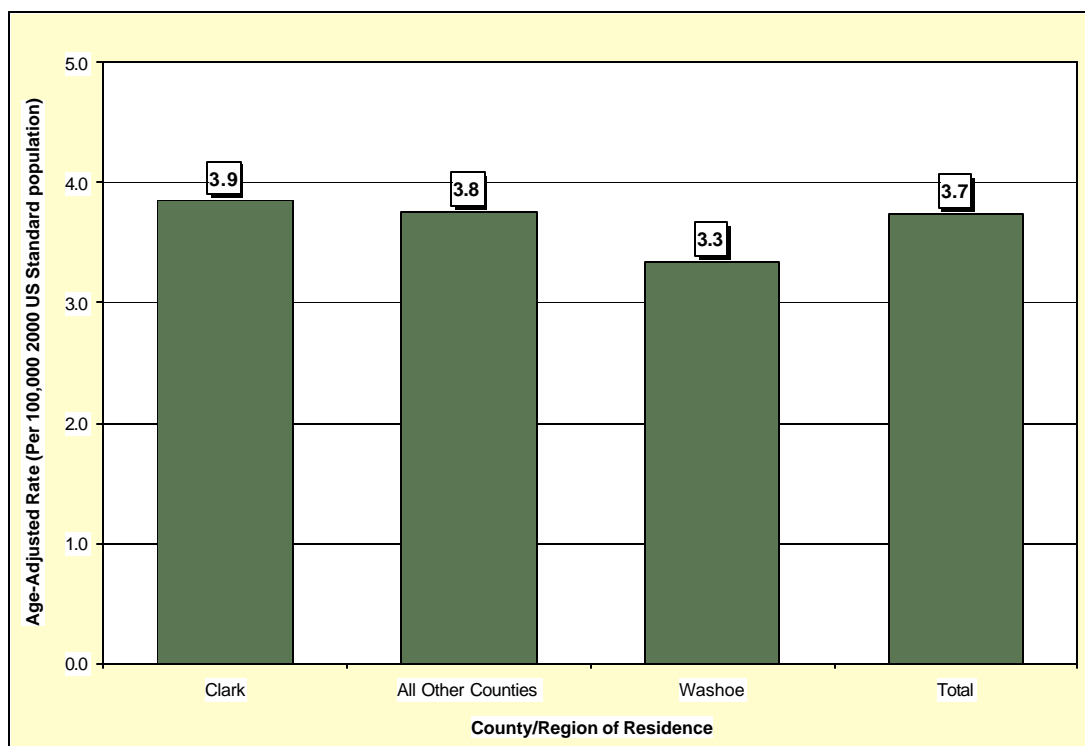


Figure 124. Kidney and Renal Pelvis Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1997-2001

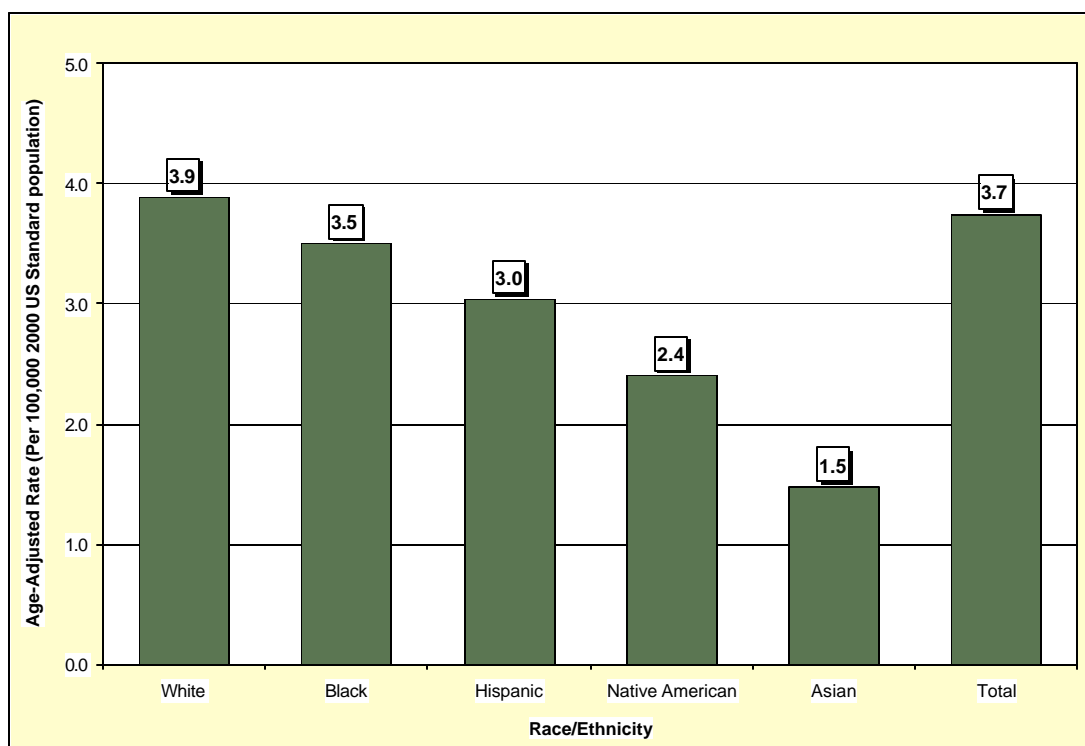


Table 184. Kidney and Renal Pelvis Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	327	223	50	54
Rate*	3.7	3.9	3.3	3.8
95% C.I.	(3.3-4.2)	(3.4-4.4)	(2.5-4.5)	(2.8-5.0)
Gender				
Male	226	154	34	38
Rate*	5.5	5.7	4.9	5.4
95% C.I.	(4.7-6.3)	(4.7-6.8)	(3.3-7.2)	(3.7-7.7)
Female	101	69	16	16
Rate*	2.2	2.3	2.1	2.2
95% C.I.	(1.8-2.7)	(1.8-2.9)	(1.2-3.4)	(1.2-3.7)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	284	191	45	48
Rate*	3.9	4.1	3.5	3.7
95% C.I.	(3.4-4.4)	(3.5-4.7)	(2.5-4.7)	(2.7-5.0)
Black	13	12	1	0
Rate*	3.5	3.6	---	---
95% C.I.	(1.8-6.6)	(1.7-7.0)	---	---
Native American	2	0	2	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	7	6	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Hispanic	19	13	1	5
Rate*	3.0	3.0	---	---
95% C.I.	(1.7-5.6)	(1.4-6.5)	---	---
Other/Unknown	2	1	0	1

*Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Note: The "—" is used for rates calculated on numbers less than ten.

Table 185. Kidney and Renal Pelvis Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	327	223	50	54
Rate*	3.4	3.3	3.0	3.9
95% C.I.	(3.0-3.7)	(2.9-3.8)	(2.2-3.8)	(2.8-4.9)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	1	0	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	7	6	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	25	17	5	3
Rate*	1.9	2.0	---	---
95% C.I.	(1.2-2.7)	(1.1-3.0)	---	---
55-64	80	55	10	15
Rate*	8.7	8.8	6.7	10.4
95% C.I.	(6.8-10.6)	(6.5-11.2)	(2.5-10.8)	(5.1-15.6)
65-74	105	66	20	19
Rate*	16.3	15.3	19.5	17.7
95% C.I.	(13.2-19.5)	(11.6-18.9)	(11.0-28.1)	(9.8-25.7)
75-84	87	65	12	10
Rate*	24.8	27.8	20.8	16.7
95% C.I.	(19.6-30.0)	(21.1-34.6)	(9.0-32.5)	(6.3-27.0)
85+	22	14	2	6
Rate*	28.9	30.0	---	---
95% C.I.	(16.8-40.9)	(14.3-45.7)	---	---
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten.

Table 186. Kidney and Renal Pelvis Cancer Mortality by County of Residence, Nevada Residents, 1997-2001

County of Residence	1997-2001 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	16	6.4	(3.3-9.6)	5.8	(3.3-9.6)
Churchill	4	---	---	---	---
Clark	223	3.3	(2.9-3.8)	3.9	(3.4-4.4)
Douglas	9	---	---	---	---
Elko	5	---	---	---	---
Esmeralda	0	---	---	---	---
Eureka	1	---	---	---	---
Humboldt	1	---	---	---	---
Lander	2	---	---	---	---
Lincoln	1	---	---	---	---
Lyon	9	---	---	---	---
Mineral	0	---	---	---	---
Nye	4	---	---	---	---
Pershing	0	---	---	---	---
Storey	1	---	---	---	---
Washoe	50	3.0	(2.2-3.8)	3.3	(2.5-4.5)
White Pine	1	---	---	---	---
Unknown	0	---	---	---	---
Total	327	3.4	(3.0-3.7)	3.7	(3.3-4.2)

Note: The "----" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 187. Kidney and Renal Pelvis Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity		Gender		
		Male	Female	Total
White	Mortality	197	87	284
	Rate*	5.7	2.3	3.9
	95% C.I.	(4.9-6.7)	(1.8-2.8)	(3.4-4.4)
Black	Mortality	7	6	13
	Rate*	---	---	3.5
	95% C.I.	---	---	(1.8-6.6)
Native American	Mortality	0	2	2
	Rate*	---	---	---
	95% C.I.	---	---	---
Asian	Mortality	7	0	7
	Rate*	---	---	---
	95% C.I.	---	---	---
Hispanic	Mortality	14	5	19
	Rate*	4.3	---	3.0
	95% C.I.	(2.2-10.3)	---	(1.7-5.6)
Other/Unknown		1	1	2
Total	Mortality	226	101	327
	Rate*	5.5	2.2	3.7
	95% C.I.	(4.7-6.3)	(1.8-2.7)	(3.3-4.2)

Note: The "----" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 188. Kidney and Renal Pelvis Cancer Mortality by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	1	1
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
25-34	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
35-44	6	1	7
Rate*	---	---	---
95% C.I.	---	---	---
45-54	19	6	25
Rate*	2.9	---	1.9
95% C.I.	(1.6-4.2)	---	(1.2-2.7)
55-64	63	17	80
Rate*	13.8	3.7	8.7
95% C.I.	(10.4-17.3)	(1.9-5.4)	(6.8-10.6)
65-74	72	33	105
Rate*	22.7	10.1	16.3
95% C.I.	(17.5-28.0)	(6.7-13.6)	(13.2-19.5)
75-84	55	32	87
Rate*	34.7	16.6	24.8
95% C.I.	(25.5-43.9)	(10.8-22.4)	(19.6-30.0)
85+	11	11	22
Rate*	44.5	21.4	28.9
95% C.I.	(18.2-70.7)	(8.7-34.0)	(16.8-40.9)
Unknown	0	0	0
Total	226	101	327
Rate*	4.6	2.1	3.4
95% C.I.	(4.0-5.2)	(1.7-2.5)	(3.0-3.7)

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten.

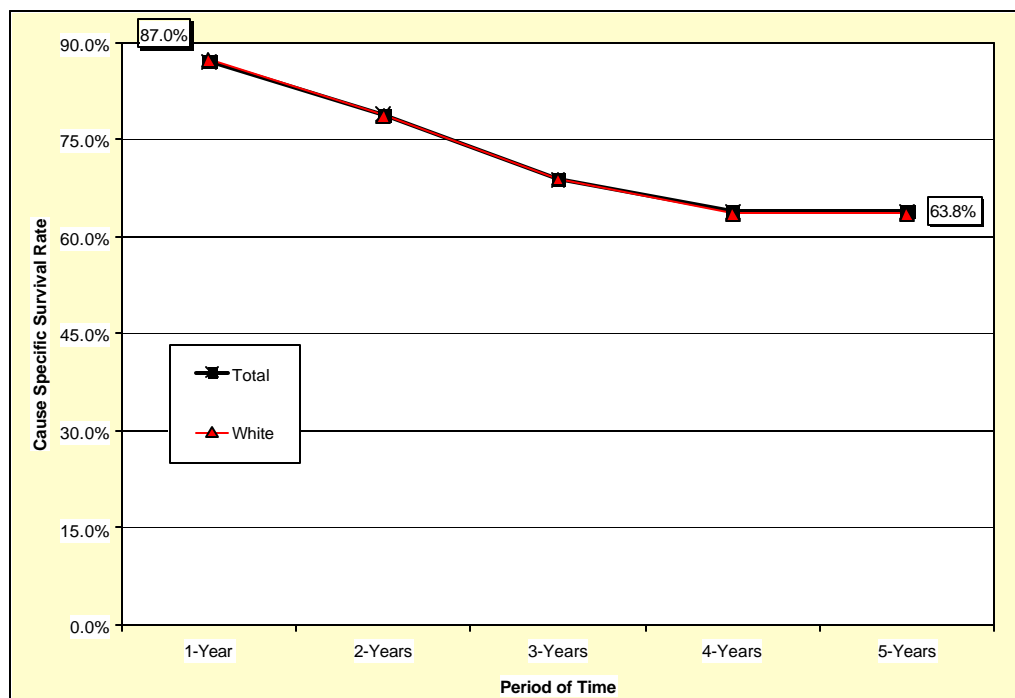
Table 189. Median Age at Death from Kidney and Renal Pelvis Cancer by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity	Gender					
	Male		Female		Total	
	Deaths	Median Age	Deaths	Median Age	Deaths	Median Age
White	197	69.0	87	73.0	284	71.0
Black	7	68.0	6	76.0	13	72.0
Native American	0	---	2	---	2	---
Asian	7	61.0	0	---	7	61.0
Hispanic	14	62.5	5	67.0	19	65.0
Other/Unknown	1	---	1	---	2	---
Total	226	68.5	101	73.0	327	71.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 125. Survival Rates for Kidney and Renal Pelvis Cancer by Race/Ethnicity, Nevada Residents, 1997-2001



Notes: The survival rate for those racial/ethnic groups not included in this chart could not be calculated due to small cell size.

Figure 126. Survival Rates for Kidney and Renal Pelvis Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1997-2001

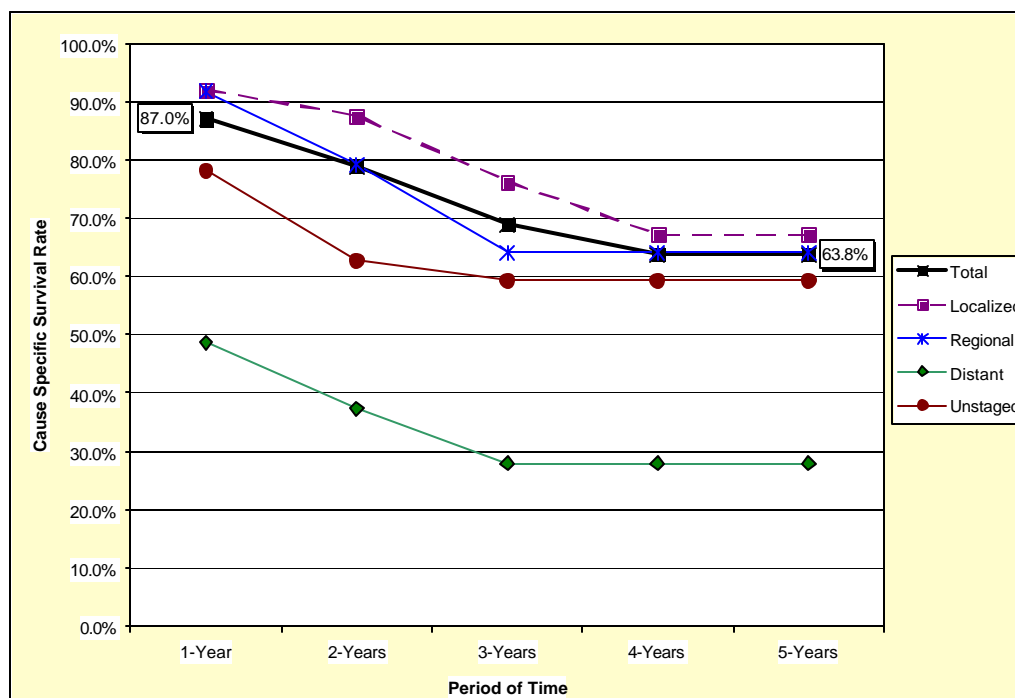


Table 190. Cause-Specific Survival Rates for Kidney and Renal Pelvis Cancer by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	816	71.9%	61.2%	56.3%	52.9%	52.9%	>5 years
Male	522	70.0%	57.7%	54.8%	49.5%	49.5%	3.91
Female	294	75.4%	67.3%	59.1%	59.1%	59.1%	>5 years
Race/Ethnicity							
White	706	71.0%	59.3%	53.8%	51.3%	51.3%	>5 years
Male	454	68.4%	54.9%	51.6%	47.9%	47.9%	3.44
Female	252	75.7%	67.3%	57.9%	57.9%	57.9%	>5 years
Black	46	---	---	---	---	---	---
Male	25	---	---	---	---	---	---
Female	21	---	---	---	---	---	---
Native American	7	---	---	---	---	---	---
Male	4	---	---	---	---	---	---
Female	3	---	---	---	---	---	---
Asian	13	---	---	---	---	---	---
Male	9	---	---	---	---	---	---
Female	4	---	---	---	---	---	---
Hispanic	38	---	---	---	---	---	---
Male	25	---	---	---	---	---	---
Female	13	---	---	---	---	---	---

Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 191. Cause-Specific Survival Rates for Kidney and Renal Pelvis Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1997-2001

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	816	522	294
	One Year	71.9%	70.0%	75.4%
	5 Years	52.9%	49.5%	59.1%
	Median Survival	>5 years	3.91	>5 years
Stage at Diagnosis				
In situ	Cases	0	0	0
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Localized	Cases	445	276	169
	One Year	83.8%	81.8%	87.0%
	5 Years	65.1%	62.2%	70.8%
	Median Survival	>5 years	>5 years	>5 years
Regional	Cases	102	65	37
	One Year	78.4%	74.5%	---
	5 Years	61.0%	60.1%	---
	Median Survival	>5 years	>5 years	---
Distant	Cases	145	100	45
	One Year	40.9%	42.0%	---
	5 Years	---	---	---
	Median Survival	0.85	0.86	---
Unstaged	Cases	124	81	43
	One Year	64.7%	64.2%	---
	5 Years	44.1%	45.2%	---
	Median Survival	2.00	1.75	---

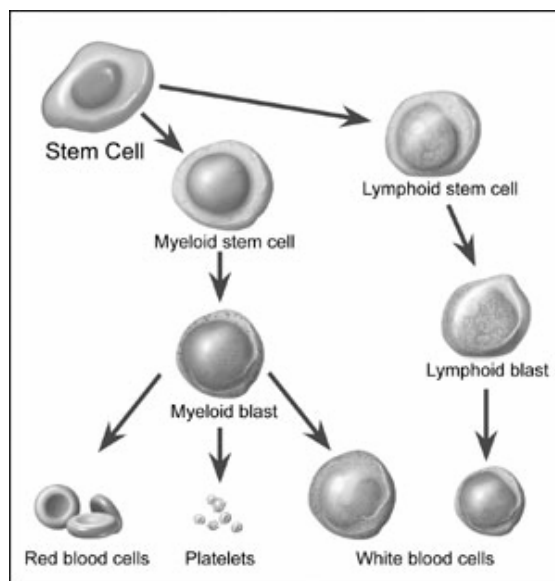
Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

LEUKEMIA

LEUKEMIA

GENERAL PROFILE⁴

Figure 127. Anatomy of Stem Cell Maturation



General Anatomy: Blood cells form in the bone marrow, which is the soft material in the center of most bones. Immature blood cells are called stem cells and blasts. Most blood cells mature in the bone marrow and then move into the blood vessels. The bone marrow makes different types of blood cells; each with a special function: White blood cells fight infection, red blood cells carry oxygen to body tissues, and platelets help form blood clots to speed healing. With leukemia, the bone marrow produces abnormal white blood cells. At first, leukemia cells function almost normally. In time, they may crowd out normal white blood cells, red blood cells, and platelets.

Risk Factors: Very high levels of radiation, working with certain chemicals (e.g. Benzene, Formaldehyde), chemotherapy, Down's syndrome, human T-cell leukemia virus-I (HTLV-I), and myelodysplastic syndrome.

Signs and Symptoms: Fevers or night sweats, frequent infections, feeling weak or tired, headache, bleeding and bruising easily (bleeding gums, purplish patches in the skin, or tiny red spots under the skin), pain in the bones or joints, swelling or discomfort in the abdomen (from an enlarged spleen), swollen lymph nodes, especially in the neck or armpit, and weight loss.

Diagnosing the Cancer: Health exams, blood tests (High level of white blood cells, low levels of red blood cells and platelets), bone marrow aspiration, bone marrow biopsy, cytogenetics, spinal tap, and chest x-ray.

Treatment: chemotherapy (intrathecal), biological therapy, radiation therapy, or stem cell transplantation (bone marrow, peripheral stem cell and umbilical cord blood transplantations).

HIGHLIGHTS

- The ratio of the age-adjusted incidence rate, 12.0, to the age-adjusted mortality rate, 7.4 (per 100,000 – 2000 US Standard population), for Leukemia was 1.62 during the 1997 to 2001 period. This means that for every 1.62 Leukemia cases during this period, there was one Leukemia death in Nevada.
- Nevadan females had a slightly higher ratio than males when the age-adjusted incidence and age-adjusted mortality rates for Leukemia were compared. For every female death due to Leukemia there were 1.75 female cases while only 1.71 male cases for every male Leukemia death in Nevada from 1997 to 2001.
- The median age at diagnosis of Leukemia was 66 years of age for Nevada residents from 1997 to 2001; the median age at time of death was 72 years.

INCIDENCE

- There were 1,059 cases of Leukemia in Nevada from 1997 to 2001. Regional comparisons showed little variation between Clark County (12.6), All Other Counties (10.9) and Washoe County (10.9) from 1997 to 2001. Churchill County had the highest age adjusted rate (19.2). While the age-adjusted incidence rates for All Other Counties and Washoe County were slightly lower than the National rate of 12.1 (per 100,000 – 2000 US Standard population) statistical analysis does not show a significant difference between any of the areas.
- The age-adjusted incidence rate for male Leukemia, 15.0 (13.7-16.3), was statistically significant over the rate for females, 9.4 (8.5-10.4), during the 1997 to 2001 period.
- Whites, as a racial/ethnic group, had the highest age-adjusted incidence rate from Leukemia during the 1997 to 2001 period at 13.3 (12.5-14.3). They were followed by Blacks, Hispanics and Asians, who had rates of 8.7, 6.7 and 5.2, (per 100,000 – 2000 US Standard population), respectively.

INPATIENT HOSPITAL DISCHARGES

- Statistical regional comparisons indicate that Clark County had the highest age-adjusted inpatient discharge rate for Leukemia, 13.0 (12.1-14.0), and was followed by All Other Counties, 9.6 (8.0-11.4), and Washoe County, 8.8 (7.4-10.5) (per 100,000 – 2000 US Standard population), from 1997 to 2001.
- Clark County had the highest median total charge (\$65,670) followed by All Other Counties (\$53,299) and Washoe County (\$41,157) as a region, during the 1997 to 2001 period.
- Total billed charges for hospital inpatient discharges from Leukemia in Nevada totaled approximately 65.8 million dollars from 1997 to 2001. The overall average billed charge

per day for an inpatient hospital discharge for Leukemia was approximately \$4,802 in Nevada during this time. The average length of stay for an inpatient hospital discharge for Leukemia as 12.7 days during this time period.

MORTALITY

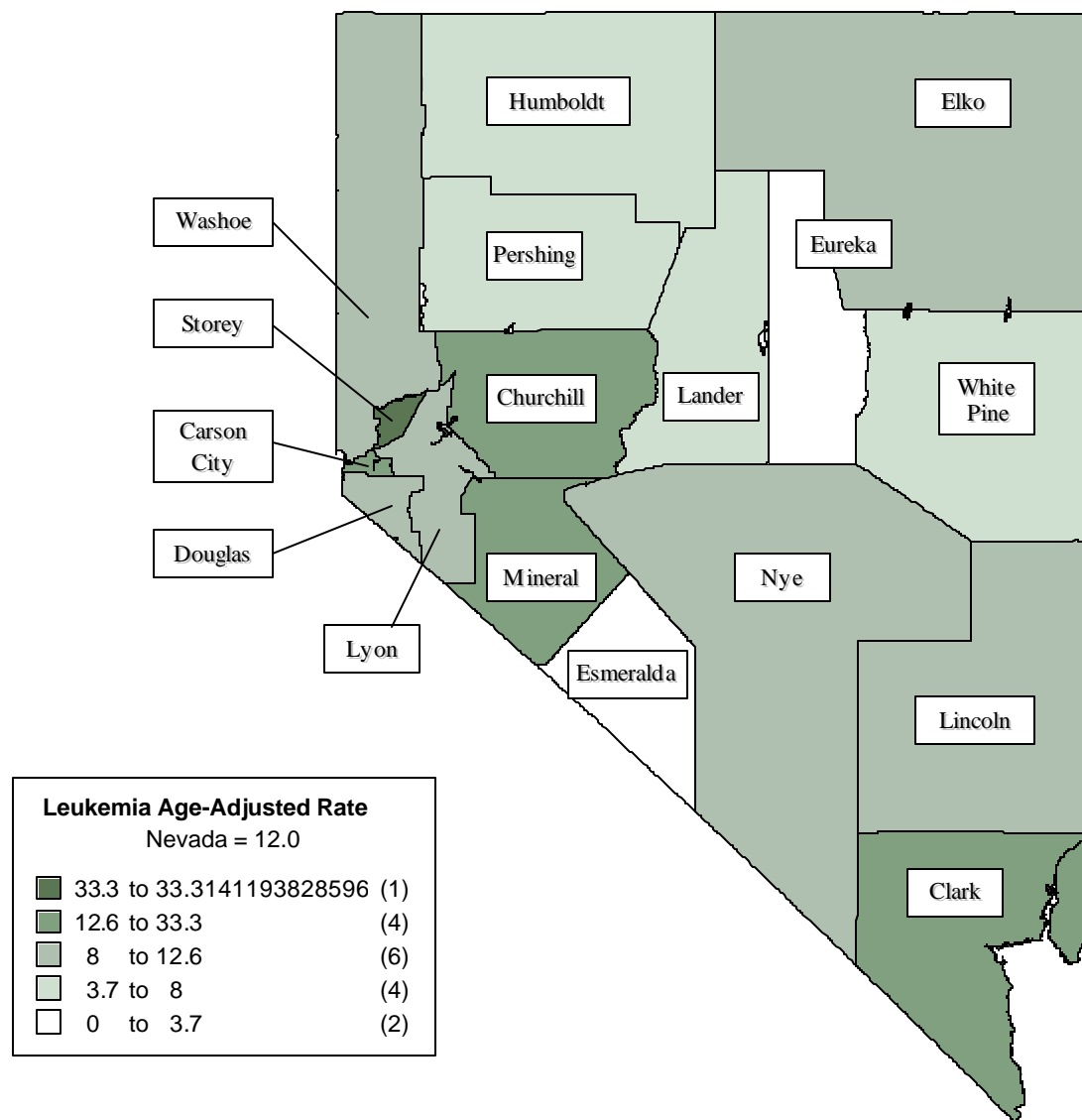
- There were 614 Leukemia deaths from 1997 to 2001. While, Clark County as a region, had a higher age-adjusted mortality rate (7.6), than Washoe County (7.2) and All Other Counties (6.8), (per 100,000 – 2000 US Standard population), none of the rates show any statistically significant difference exists between the three regions.
- Males had a statistically higher age-adjusted mortality rate due to Leukemia, 9.5 (8.5-10.7), than their Female counterparts' rate, 5.6 (4.9-6.3), in Nevada from 1997 to 2001.

SURVIVAL RATE

- The one-year survival rate for Leukemia in Nevada was 55.9% during the 1996 to 2001 period, while the five-year survival rate was 30.5%. The median survival rate in Nevada for Leukemia was 1.60 years.
- While females in Nevada diagnosed with Leukemia had a higher one-year survival rate (57.1%) than males (55.2%), their five-year survival rate (27.3%) was lower than the rate for males (33.3%) during the 1997 to 2001 period.
- Nevadan females had a slightly higher median survival time than their male counterparts with median survival times of 1.65 and 1.58 years, respectively, during the 1997 to 2001 period.

INCIDENCE

Figure 128. Leukemia Age-Adjusted (2001) Incidence Rates, Nevada Residents, 1997-2001



Note: Rates are per 100,000 population and age-adjusted to 2001 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 129. Leukemia Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1997-2001

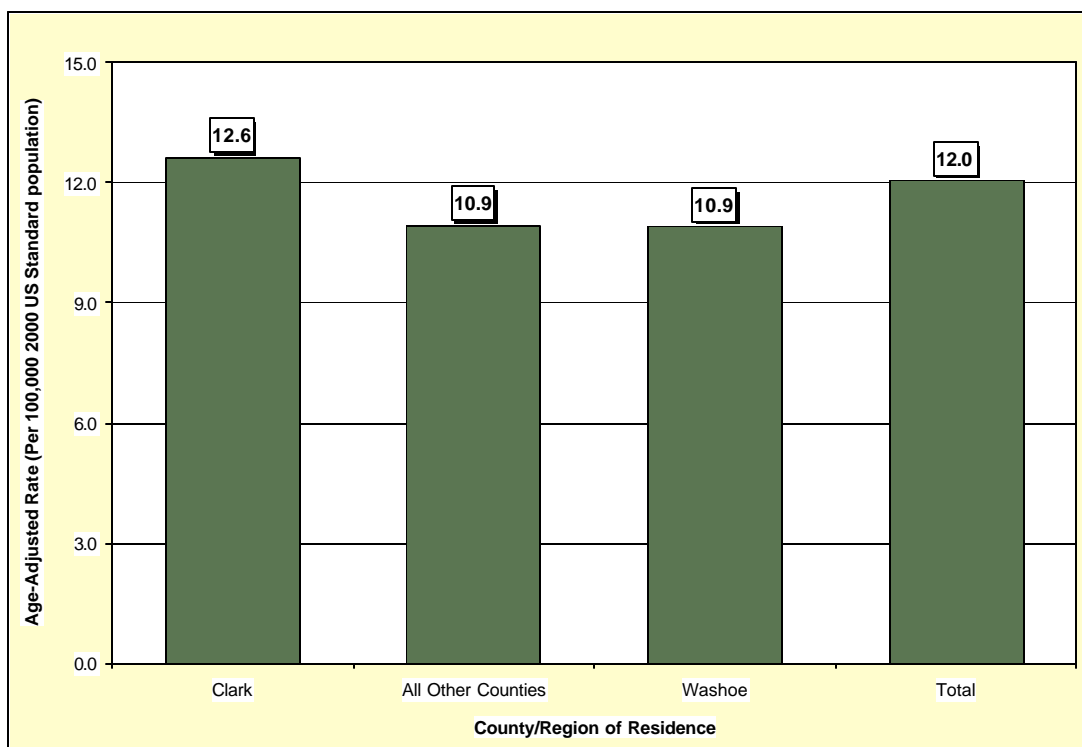


Figure 130. Leukemia Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1997-2001

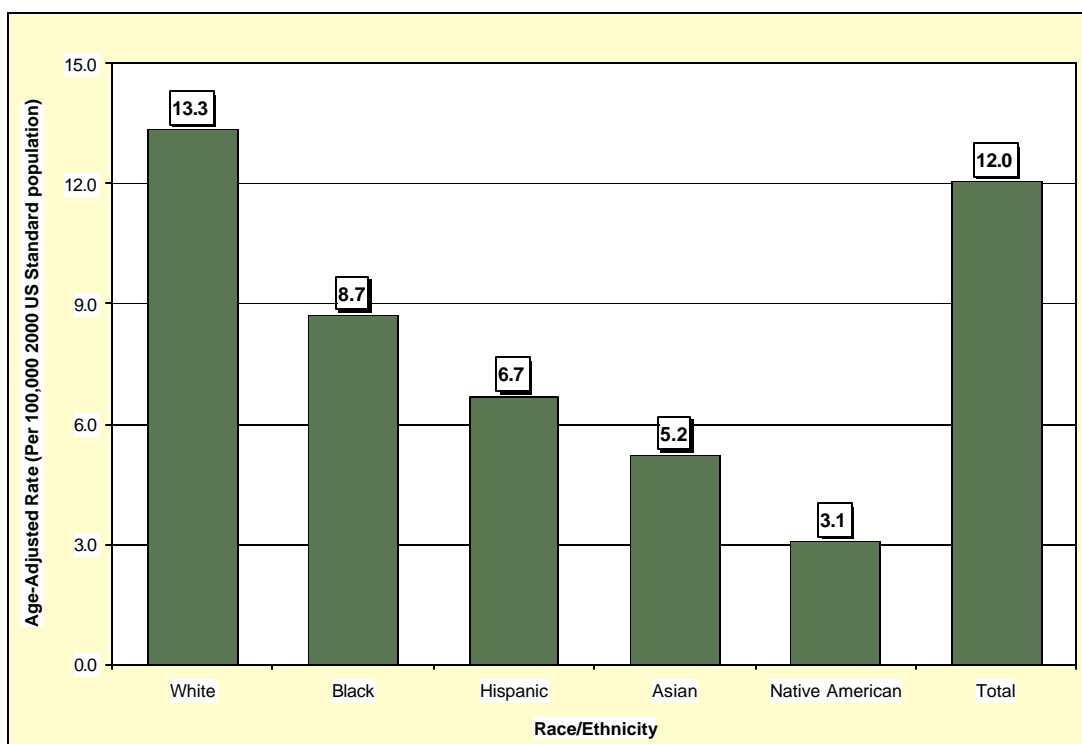


Table 192. Leukemia Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1997-2001)
Total						
Cases	1,059	742	163	153	1	21,418
Rate*	12.0	12.6	10.9	10.9	---	12.1
95% C.I.	(11.3-12.8)	(11.7-13.6)	(9.3-12.8)	(9.2-12.9)	---	(12.0-12.3)
Gender						
Male	629	449	92	87	1	12,200
Rate*	15.0	16.3	12.8	12.5	---	15.9
95% C.I.	(13.7-16.3)	(14.7-18.2)	(10.2-15.9)	(9.9-15.7)	---	(15.6-16.2)
Female	430	293	71	66	0	9,218
Rate*	9.4	9.6	9.0	9.3	---	9.4
95% C.I.	(8.6-10.4)	(8.5-10.8)	(7.0-11.4)	(7.2-11.9)	---	(9.2-9.6)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	920	640	143	137	0	18,176
Rate*	13.3	14.6	11.4	11.0	---	12.9
95% C.I.	(12.5-14.3)	(13.5-15.8)	(9.6-13.4)	(9.2-13.1)	---	(12.7-13.1)
Black	39	31	5	3	0	1,530
Rate*	8.7	7.5	---	---	---	9.9
95% C.I.	(5.9-12.8)	(4.8-11.7)	---	---	---	(9.4-10.4)
Native American	3	2	1	0	0	112
Rate*	---	---	---	---	---	5.0
95% C.I.	---	---	---	---	---	(4.0-4.0)
Asian	24	17	6	1	0	1,376
Rate*	5.2	4.6	---	---	---	7.5
95% C.I.	(3.3-10.4)	(2.6-11.2)	---	---	---	(7.1-8.0)
Hispanic	68	49	7	11	1	2,307
Rate*	6.7	5.9	---	13.1	---	9.1
95% C.I.	(4.7-9.8)	(3.9-9.4)	---	(5.3-30.2)	---	(8.7-9.5)
Other/Unknown	5	3	1	1	0	224

* Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Note: The "—" is used for rates calculated on numbers less than ten and SEER numbers less than five. Caution should be used when comparing rates for racial/ethnic groups to the National (SEER) rates. See Technical Notes for more information.

Table 193. Leukemia Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1997-2001)
Total						
Cases	1,059	742	163	153	1	21,418
Rate*	10.9	11.1	9.7	10.9	---	11.6
95% C.I.	(10.2-11.5)	(10.3-11.9)	(8.2-11.2)	(9.2-12.7)	---	(11.4-11.7)
Age Group						
<1	7	6	0	1	0	123
Rate*	---	---	---	---	---	4.4
95% C.I.	---	---	---	---	---	(3.7-5.2)
1-4	53	40	4	9	0	944
Rate*	9.3	10.0	---	---	---	8.5
95% C.I.	(6.8-11.9)	(6.9-13.1)	---	---	---	(7.9-9.0)
5-14	55	37	10	8	0	998
Rate*	4.0	3.9	4.4	---	---	3.7
95% C.I.	(2.9-5.0)	(2.7-5.2)	(1.7-7.1)	---	---	(3.5-4.0)
15-24	30	22	2	6	0	665
Rate*	2.2	2.4	---	---	---	2.6
95% C.I.	(1.4-3.0)	(1.4-3.4)	---	---	---	(2.4-2.8)
25-34	38	29	6	2	1	819
Rate*	2.6	2.7	---	---	---	2.8
95% C.I.	(1.8-3.4)	(1.7-3.7)	---	---	---	(2.6-3.0)
35-44	59	41	14	4	0	1,293
Rate*	3.8	3.9	4.9	---	---	4.1
95% C.I.	(2.8-4.8)	(2.7-5.1)	(2.4-7.5)	---	---	(3.9-4.4)
45-54	97	71	13	13	0	2,069
Rate*	7.6	8.4	5.5	6.5	---	9.0
95% C.I.	(6.1-9.1)	(6.4-10.3)	(2.5-8.5)	(3.0-10.0)	---	(8.7-9.4)
55-64	158	111	25	22	0	2,914
Rate*	17.2	17.9	16.7	15.2	---	20.8
95% C.I.	(14.6-19.9)	(14.5-21.2)	(10.1-23.2)	(8.9-21.6)	---	(20.1-21.6)
65-74	261	181	37	43	0	4,509
Rate*	40.6	41.8	36.1	40.1	---	39.1
95% C.I.	(35.7-45.6)	(35.8-47.9)	(24.5-47.7)	(28.1-52.1)	---	(37.9-40.2)
75-84	226	151	44	31	0	4,931
Rate*	64.3	64.7	76.1	51.8	---	67.8
95% C.I.	(55.9-72.7)	(54.3-75.0)	(53.6-98.6)	(33.5-70.0)	---	(65.9-69.7)
85+	74	52	8	14	0	2,153
Rate*	97.1	111.4	---	99.8	---	86.8
95% C.I.	(75.0-119.2)	(81.1-141.6)	---	(47.5-152.0)	---	(83.1-90.5)
Unknown	1	1	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 194. Leukemia Cases by County of Residence at Diagnosis, Nevada Residents, 1997-2001

County of Residence at Diagnosis	1997-2001 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	40	16.1	(11.1-21.0)	14.6	(10.4-20.1)
Churchill	23	19.1	(11.3-26.9)	19.2	(12.1-29.5)
Clark	742	11.1	(10.3-11.9)	12.6	(11.7-13.6)
Douglas	23	11.2	(6.6-15.8)	9.7	(6.0-15.4)
Elko	13	5.6	(2.6-8.7)	10.0	(4.9-18.9)
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	3	---	---	---	---
Lander	2	---	---	---	---
Lincoln	2	---	---	---	---
Lyon	15	8.8	(4.4-13.3)	8.0	(4.4-13.9)
Mineral	5	---	---	---	---
Nye	19	12.1	(6.7-17.5)	8.8	(5.2-15.1)
Pershing	1	---	---	---	---
Storey	4	---	---	---	---
Washoe	163	9.7	(8.2-11.2)	10.9	(9.3-12.8)
White Pine	3	---	---	---	---
Unknown	1	---	---	---	---
Total	1,059	10.9	(10.2-11.5)	12.0	(11.3-12.8)

Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 195. Leukemia Cases by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity		Gender			
		Male	Female	Other/Unknown	Total
White	Incidence	548	372	0	920
	Rate*	16.5	10.5	---	13.3
	95% C.I.	(15.1-18.1)	(9.4-11.6)	---	(12.5-14.3)
Black	Incidence	22	17	0	39
	Rate*	10.1	7.5	---	8.7
	95% C.I.	(5.6-19.2)	(4.1-12.8)	---	(5.9-12.8)
Native American	Incidence	2	1	0	3
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	14	10	0	24
	Rate*	6.7	4.0	---	5.2
	95% C.I.	(3.5-18.0)	(1.9-12.7)	---	(3.3-10.4)
Hispanic	Incidence	39	29	0	68
	Rate*	8.5	5.5	---	6.7
	95% C.I.	(4.8-15.9)	(3.3-9.4)	---	(4.7-9.8)
Other/Unknown		4	1	0	5
Total	Incidence	629	430	0	1,059
	Rate*	15.0	9.4	---	12.0
	95% C.I.	(13.7-16.3)	(8.6-10.4)	---	(11.3-12.8)

Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 196. Leukemia Cases by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender			
	Male	Female	Other/ Unknown	Total
<1	5	2	0	7
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	31	22	0	53
Rate*	10.7	7.9	---	9.3
95% C.I.	(6.9-14.5)	(4.6-11.2)	---	(6.8-11.9)
5-14	35	20	0	55
Rate*	4.9	3.0	---	4.0
95% C.I.	(3.3-6.6)	(1.7-4.3)	---	(2.9-5.0)
15-24	19	11	0	30
Rate*	2.7	1.7	---	2.2
95% C.I.	(1.5-4.0)	(0.7-2.7)	---	(1.4-3.0)
25-34	17	21	0	38
Rate*	2.2	3.0	---	2.6
95% C.I.	(1.2-3.3)	(1.7-4.2)	---	(1.8-3.4)
35-44	34	25	0	59
Rate*	4.2	3.3	---	3.8
95% C.I.	(2.8-5.6)	(2.0-4.6)	---	(2.8-4.8)
45-54	60	37	0	97
Rate*	9.2	5.8	---	7.6
95% C.I.	(6.9-11.6)	(4.0-7.7)	---	(6.1-9.1)
55-64	97	61	0	158
Rate*	21.3	13.2	---	17.2
95% C.I.	(17.1-25.6)	(9.9-16.5)	---	(14.6-19.9)
65-74	168	93	0	261
Rate*	53.0	28.6	---	40.6
95% C.I.	(45.0-61.0)	(22.8-34.4)	---	(35.7-45.6)
75-84	133	93	0	226
Rate*	83.9	48.2	---	64.3
95% C.I.	(69.6-98.2)	(38.4-58.1)	---	(55.9-72.7)
85+	29	45	0	74
Rate*	117.2	87.4	---	97.1
95% C.I.	(74.5-159.8)	(61.9-112.9)	---	(75.0-119.2)
Unknown	1	0	0	1
Total	629	430	0	1,059
Rate*	12.7	9.0	---	10.9
95% C.I.	(11.7-13.7)	(8.1-9.8)	---	(10.2-11.5)

* Rates are per 100,000 age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten.

Table 197. Leukemia Incidence by Age Group and Stage, Nevada Residents, 1997-2001

Age Group		Stage				
		In situ	Localized	Regional	Distant	Unstaged
<1	Number	0	0	0	6	1
	Percent	---	---	---	85.7%	14.3%
1-4	Number	0	0	0	53	0
	Percent	---	---	---	100.0%	---
5-14	Number	0	0	0	55	0
	Percent	---	---	---	100.0%	---
15-24	Number	0	0	0	30	0
	Percent	---	---	---	100.0%	---
25-34	Number	0	0	0	37	1
	Percent	---	---	---	97.4%	2.6%
35-44	Number	0	0	0	57	2
	Percent	---	---	---	96.6%	3.4%
45-54	Number	0	0	0	92	5
	Percent	---	---	---	94.8%	5.2%
55-64	Number	0	0	0	157	1
	Percent	---	---	---	99.4%	0.6%
65-74	Number	0	0	0	251	10
	Percent	---	---	---	96.2%	3.8%
75-84	Number	0	0	0	211	15
	Percent	---	---	---	93.4%	6.6%
85+	Number	0	0	0	64	10
	Percent	---	---	---	86.5%	13.5%
Unknown	Number	0	0	0	1	0
	Percent	---	---	---	100.0%	---
Total	Number	0	0	0	1,014	45
	Percent	---	---	---	95.8%	4.2%

**Table 198. Leukemia Cases by Stage and Race/Ethnicity,
Nevada Residents, 1997-2001**

Stage		Race/Ethnicity					
		White	Black	Native American	Asian	Hispanic	Other/ Unknown
In situ	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
Localized	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
Regional	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
Distant	Number	879	38	3	24	65	5
	Percent	95.5%	97.4%	100.0%	100.0%	95.6%	100.0%
Unstaged	Number	41	1	0	0	3	0
	Percent	4.5%	2.6%	---	---	4.4%	---
Total	Number	920	39	3	24	68	5
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

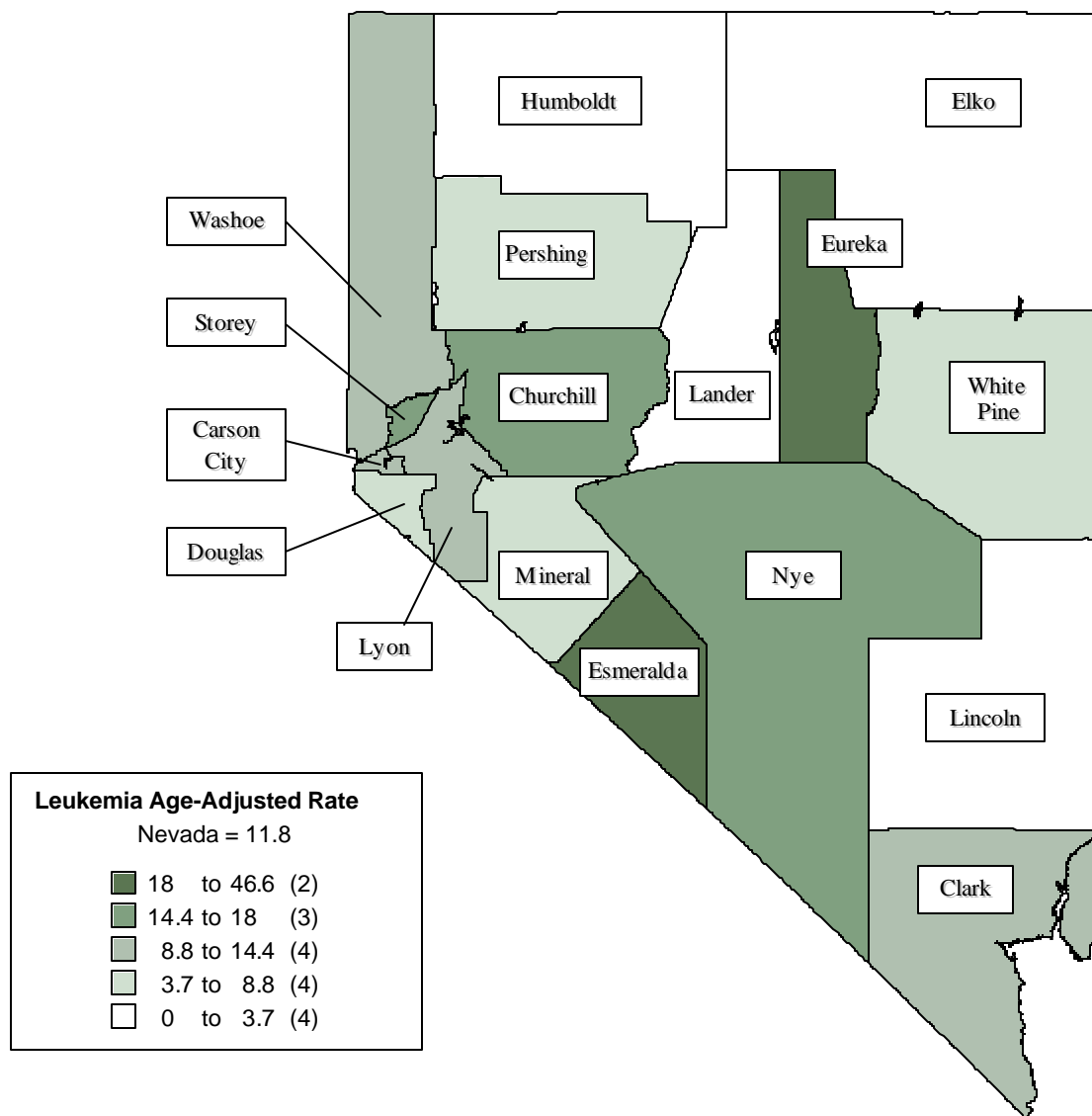
**Table 199. Median Age at Diagnosis of Leukemia by Race/Ethnicity and Gender,
Nevada Residents, 1997-2001**

Race/Ethnicity	Gender					
	Male		Female		Total	
	Incidence	Median Age	Incidence	Median Age	Incidence	Median Age
White	547	68.0	372	69.0	919	68.0
Black	22	57.5	17	64.0	39	59.0
Native American	2	---	1	---	3	---
Asian	14	51.5	10	58.5	24	58.5
Hispanic	39	22.0	29	41.0	68	35.0
Other/Unknown	4	---	1	---	5	65.0
Total	628	66.0	430	66.0	1,058	66.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

Figure 131. Leukemia Age-Adjusted (2001) Inpatient Discharge Rates, Nevada Residents, 1997-2001



Note: Rates are per 100,000 population and age-adjusted to 2001 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical notes for more information.

Figure 132. Leukemia Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1997-2001

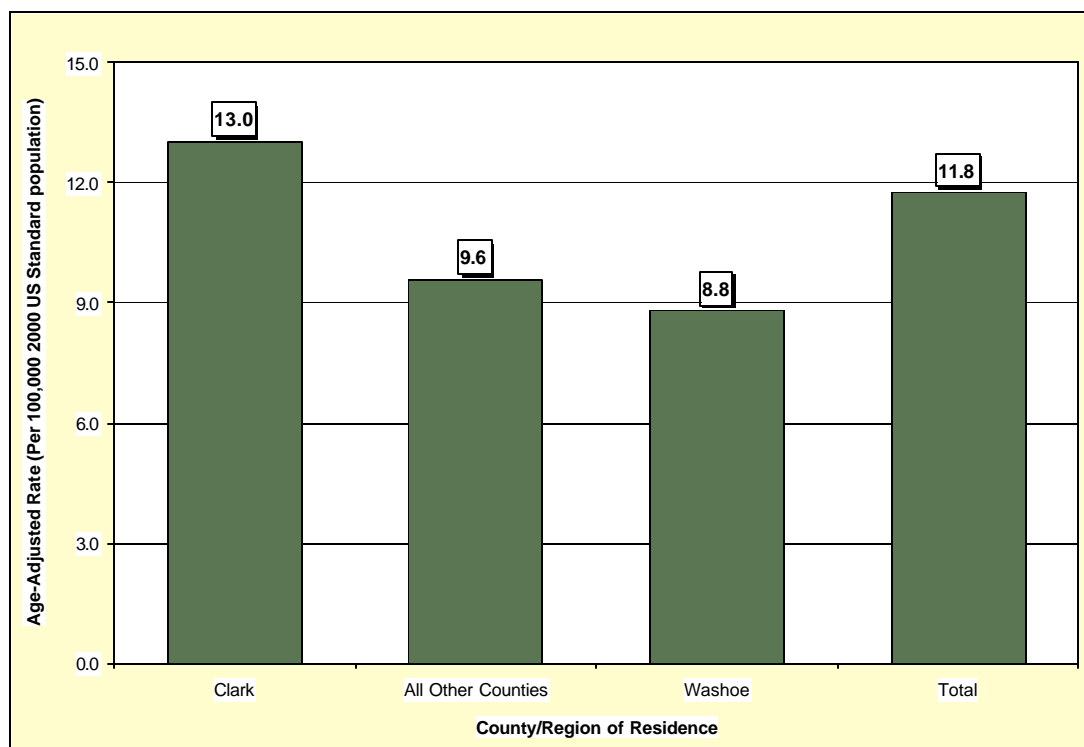


Figure 133. Median Charges for Leukemia Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

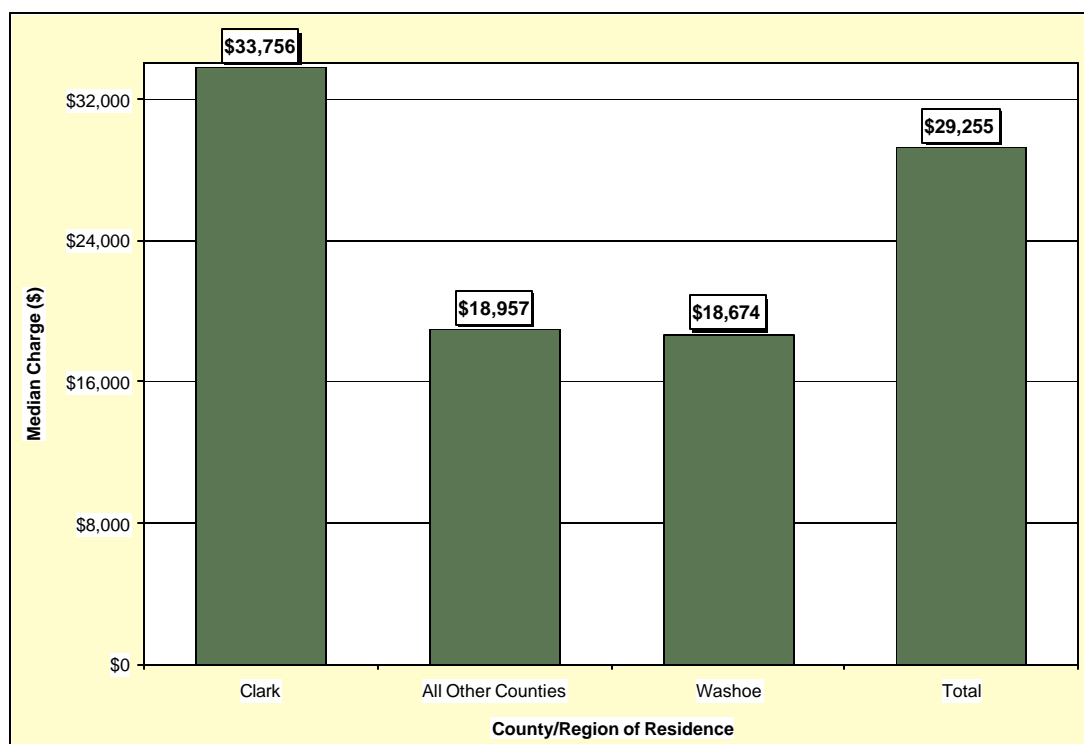


Figure 134. Average Length of Stay for Leukemia Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

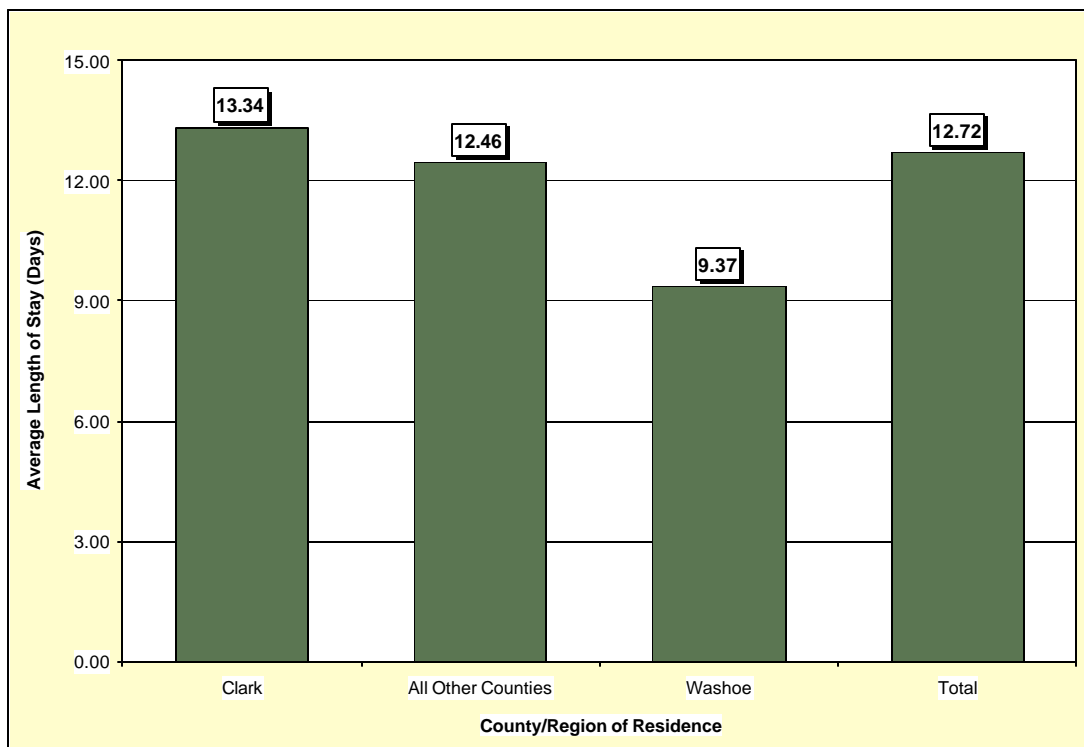


Table 200. Leukemia Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	1,080	807	138	134	1
Rate*	11.8	13.0	8.8	9.6	---
95% C.I.	(11.1-12.5)	(12.1-14.0)	(7.4-10.5)	(8.0-11.4)	---
Gender					
Male	628	468	77	82	1
Rate*	14.2	15.9	10.2	11.6	---
95% C.I.	(13.1-15.5)	(14.4-17.6)	(8.0-13.0)	(9.2-14.8)	---
Female	452	339	61	52	0
Rate*	9.6	10.6	7.6	7.5	---
95% C.I.	(8.7-10.5)	(9.5-11.8)	(5.8-9.7)	(5.6-9.9)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$65,862,427	\$52,995,897	\$5,679,631	\$7,142,022	\$44,877
Average Charges	\$60,984	\$65,670	\$41,157	\$53,299	\$44,877
Median Charges	\$29,255	\$33,756	\$18,674	\$18,957	\$44,877
Discharge Length of Stay (LOS) (Days)					
Total LOS	13,736	10,764	1,293	1,670	9
Average LOS	12.7	13.3	9.4	12.5	9.0
Median LOS	7.0	8.0	5.5	7.0	9.0

* Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Note: The “---” is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 201. Leukemia Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	1,080	807	138	134	1
Rate*	11.1	12.1	8.2	9.6	---
95% C.I.	(10.4-11.8)	(11.3-12.9)	(6.8-9.6)	(8.0-11.2)	---
Age Group					
<1	8	8	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
1-4	73	62	3	8	0
Rate*	12.9	15.5	---	---	---
95% C.I.	(9.9-15.8)	(11.7-19.4)	---	---	---
5-14	135	119	10	6	0
Rate*	9.8	12.6	4.4	---	---
95% C.I.	(8.1-11.4)	(10.4-14.9)	(1.7-7.1)	---	---
15-24	58	38	9	11	0
Rate*	4.3	4.1	---	4.8	---
95% C.I.	(3.2-5.4)	(2.8-5.4)	---	(2.0-7.6)	---
25-34	66	50	7	9	0
Rate*	4.5	4.7	---	---	---
95% C.I.	(3.4-5.6)	(3.4-6.0)	---	---	---
35-44	55	42	9	4	0
Rate*	3.5	4.0	---	---	---
95% C.I.	(2.6-4.5)	(2.8-5.2)	---	---	---
45-54	94	61	18	15	0
Rate*	7.3	7.2	7.6	6.3	---
95% C.I.	(5.8-8.8)	(5.4-9.0)	(4.1-11.1)	(3.1-9.6)	---
55-64	171	120	26	24	1
Rate*	18.7	19.3	17.3	16.0	---
95% C.I.	(15.9-21.5)	(15.9-22.8)	(10.7-24.0)	(9.6-22.4)	---
65-74	222	163	27	32	0
Rate*	34.6	37.7	26.3	31.2	---
95% C.I.	(30.0-39.1)	(31.9-43.5)	(16.4-36.3)	(20.4-42.0)	---
75-84	152	111	27	14	0
Rate*	43.3	47.5	46.7	24.2	---
95% C.I.	(36.4-50.1)	(38.7-56.4)	(29.1-64.3)	(11.5-36.9)	---
85+	46	33	2	11	0
Rate*	60.3	70.7	---	70.9	---
95% C.I.	(42.9-77.8)	(46.6-94.8)	---	(29.0-112.8)	---
Unknown	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The “---” is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 202. Leukemia Inpatient Discharges by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender		
	Male	Female	Total
<1	5	3	8
Rate*	---	---	---
95% C.I.	---	---	---
1-4	43	30	73
Rate*	14.8	10.8	12.9
95% C.I.	(10.4-19.3)	(6.9-14.7)	(9.9-15.8)
5-14	80	55	135
Rate*	11.3	8.2	9.8
95% C.I.	(8.8-13.7)	(6.0-10.4)	(8.1-11.4)
15-24	36	22	58
Rate*	5.2	3.4	4.3
95% C.I.	(3.5-6.9)	(2.0-4.8)	(3.2-5.4)
25-34	29	37	66
Rate*	3.8	5.2	4.5
95% C.I.	(2.4-5.2)	(3.5-6.9)	(3.4-5.6)
35-44	39	16	55
Rate*	4.8	2.1	3.5
95% C.I.	(3.3-6.4)	(1.1-3.2)	(2.6-4.5)
45-54	60	34	94
Rate*	9.2	5.4	7.3
95% C.I.	(6.9-11.6)	(3.6-7.2)	(5.8-8.8)
55-64	97	74	171
Rate*	21.3	16.0	18.7
95% C.I.	(17.1-25.6)	(12.4-19.7)	(15.9-21.5)
65-74	125	97	222
Rate*	39.4	29.8	34.6
95% C.I.	(32.5-46.4)	(23.9-35.8)	(30.0-39.1)
75-84	93	59	152
Rate*	58.7	30.6	43.3
95% C.I.	(46.7-70.6)	(22.8-38.4)	(36.4-50.1)
85+	21	25	46
Rate*	84.9	48.6	60.3
95% C.I.	(48.6-121.2)	(29.5-67.6)	(42.9-77.8)
Unknown	0	0	0
Total	628	452	1,080
Rate*	12.7	9.4	11.1
95% C.I.	(11.7-13.7)	(8.6-10.3)	(10.4-11.8)

* Rates are per 100,000 age-specific population.

Note: The “---” is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 203. Leukemia Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

County of Residence	1997-2001 Inpatient Hospital Discharges				
	Number	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	25	10.0	(6.1-14.0)	9.8	(6.3-14.6)
Churchill	18	14.9	(8.0-21.8)	14.7	(8.6-24.0)
Clark	807	12.1	(11.3-12.9)	13.0	(12.1-14.0)
Douglas	17	8.3	(4.4-12.2)	8.7	(5.0-14.7)
Elko	3	---	---	---	---
Esmeralda	3	---	---	---	---
Eureka	3	---	---	---	---
Humboldt	1	---	---	---	---
Lander	1	---	---	---	---
Lincoln	0	---	---	---	---
Lyon	26	15.3	(9.4-21.2)	14.4	(9.2-21.7)
Mineral	2	---	---	---	---
Nye	30	19.1	(12.3-25.9)	15.1	(9.8-23.0)
Pershing	1	---	---	---	---
Storey	1	---	---	---	---
Washoe	138	8.2	(6.8-9.6)	8.8	(7.4-10.5)
White Pine	3	---	---	---	---
Unknown	1	---	---	---	---
Total	1,080	11.1	(10.4-11.8)	11.8	(11.1-12.5)

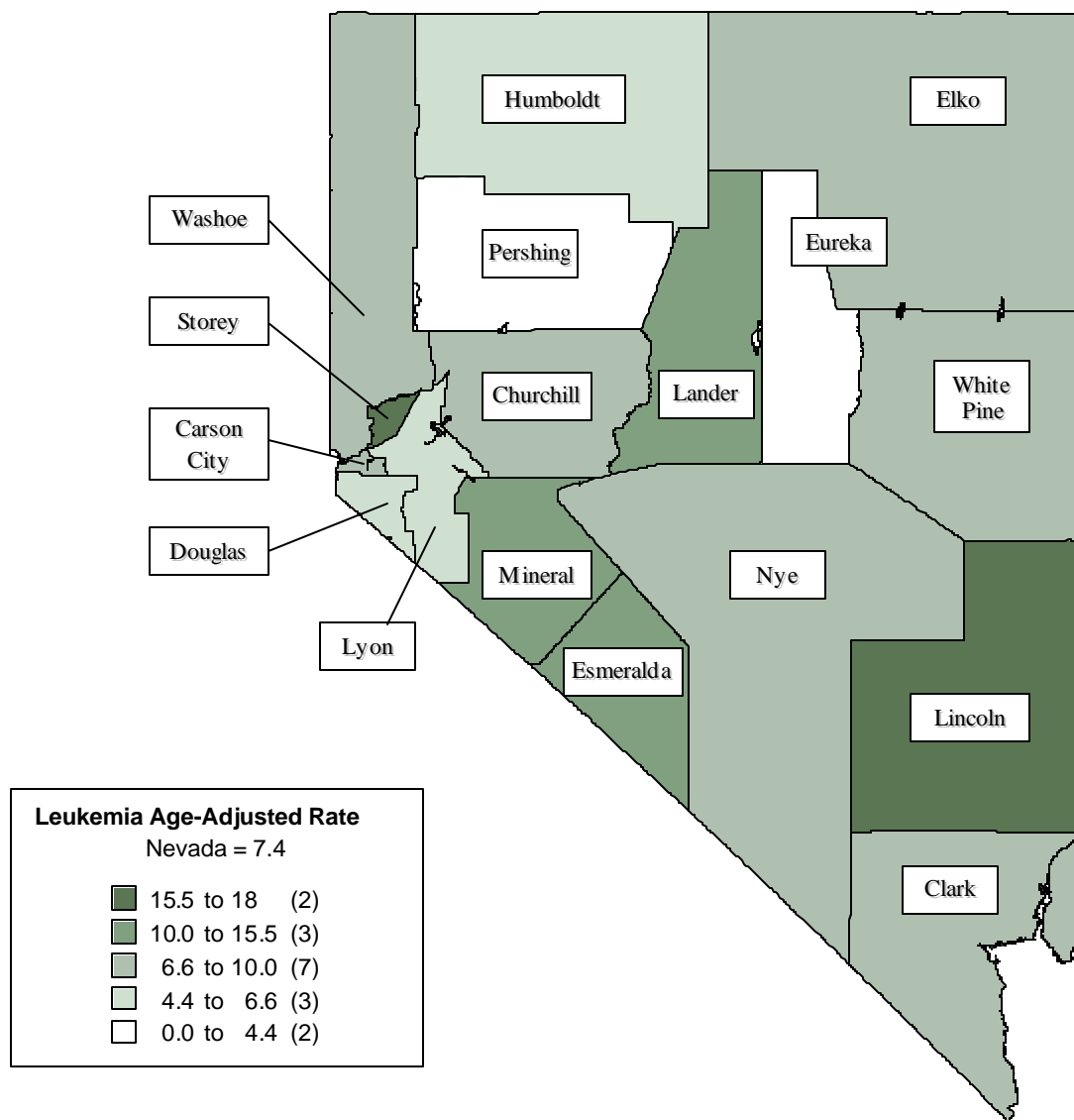
Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 204. Leukemia Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1997-2001

Age Group	Discharges	Charges (\$)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	8	556,633	69,579	47,004	111	13.9	7.0
1-4	73	2,788,065	38,193	33,300	650	8.9	8.0
5-14	135	6,287,314	46,573	27,120	1,186	8.8	6.0
15-24	58	3,963,881	68,343	43,611	893	15.4	9.5
25-34	66	5,524,571	83,706	49,527	1,032	15.6	7.0
35-44	55	4,469,412	81,262	57,144	975	17.7	13.0
45-54	94	7,168,510	76,261	39,948	1,556	16.6	10.0
55-64	171	12,657,275	74,019	36,155	2,523	14.8	9.0
65-74	222	15,693,670	70,692	36,421	3,094	13.9	8.0
75-84	152	5,996,789	39,453	18,729	1,446	9.5	6.5
85+	46	756,307	16,441	13,916	270	5.9	5.0
Unknown	0	---	---	---	---	---	---
Total	1,080	471,810	1,040	53.265	85	1,040.0	12.3

MORTALITY

Figure 135. Leukemia Age-Adjusted (2001) Mortality Rates, Nevada Residents, 1997-2001



Note: Rates are per 100,000 population and age-adjusted to 2001 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 136. Leukemia Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1997-2001

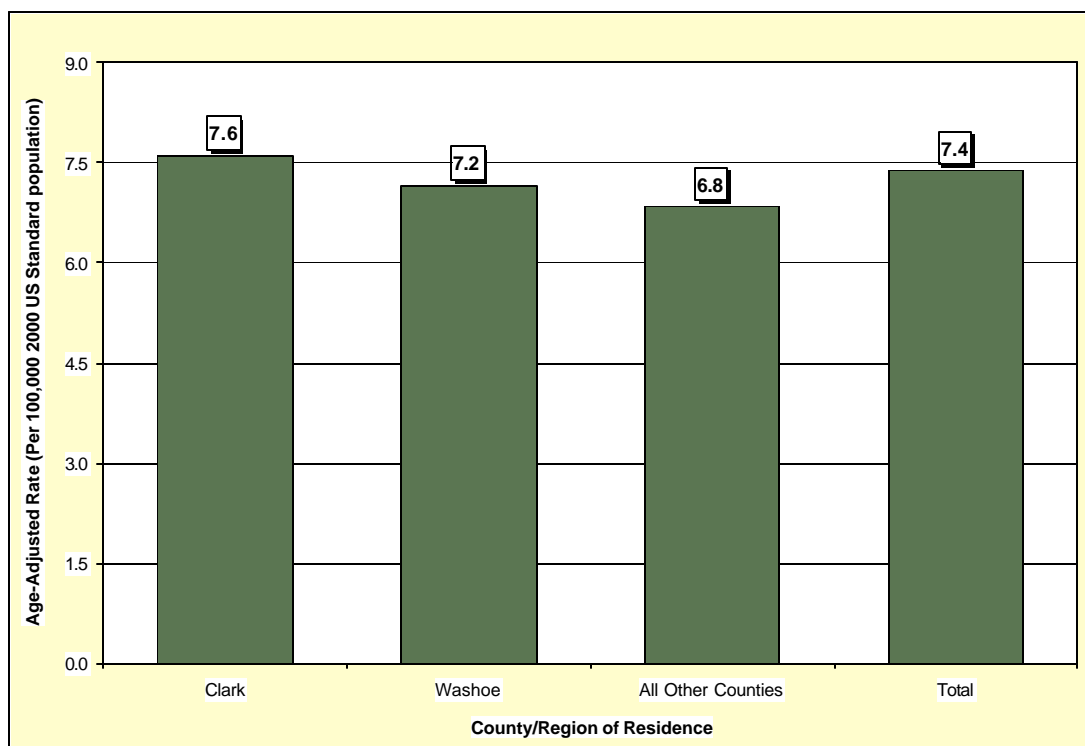


Figure 137. Leukemia Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1997-2001

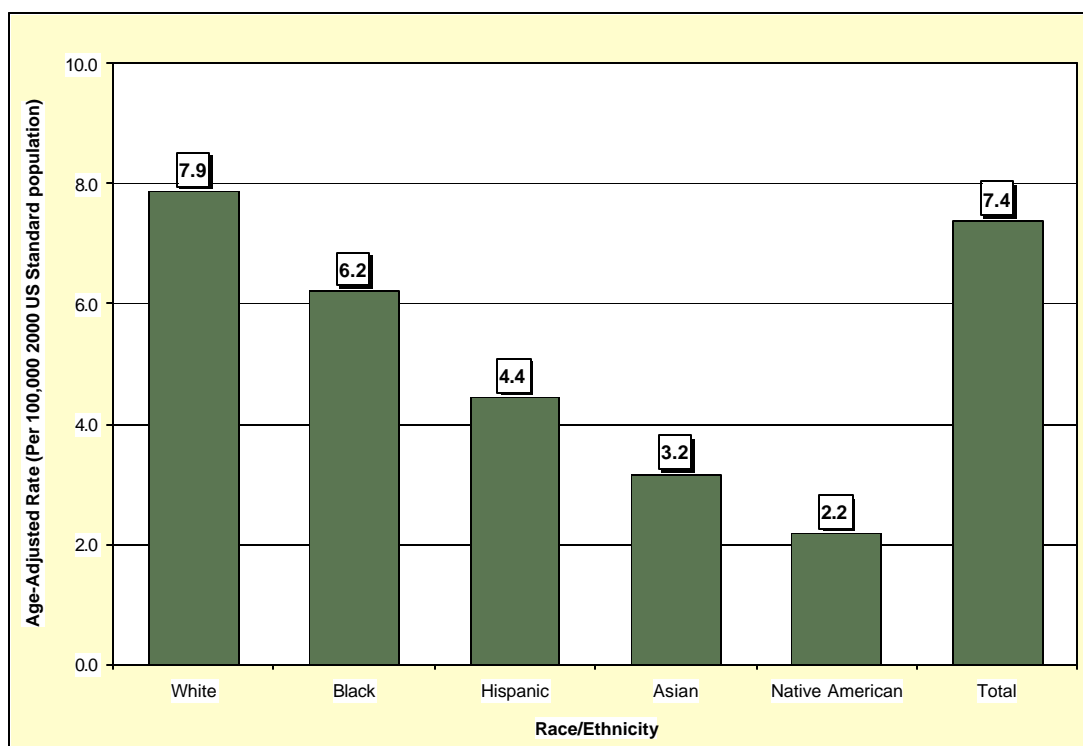


Table 205. Leukemia Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	614	419	104	91
Rate*	7.4	7.6	7.2	6.8
95% C.I.	(6.8-8.0)	(6.9-8.4)	(5.8-8.7)	(5.5-8.5)
Gender				
Male	368	256	60	52
Rate*	9.5	10.2	8.9	7.9
95% C.I.	(8.5-10.7)	(8.9-11.8)	(6.7-11.8)	(5.8-10.7)
Female	246	163	44	39
Rate*	5.6	5.5	5.7	5.7
95% C.I.	(4.9-6.3)	(4.7-6.5)	(4.1-7.6)	(4.0-7.8)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	539	360	96	83
Rate*	7.9	8.3	7.7	6.9
95% C.I.	(7.2-8.6)	(7.4-9.2)	(6.2-9.4)	(5.4-8.6)
Black	26	25	0	1
Rate*	6.2	6.6	---	---
95% C.I.	(3.9-9.9)	(4.0-10.6)	---	---
Native American	3	1	0	2
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	12	11	1	0
Rate*	3.2	3.7	---	---
95% C.I.	(1.5-8.3)	(1.7-10.4)	---	---
Hispanic	32	22	5	5
Rate*	4.4	4.3	---	---
95% C.I.	(2.8-7.2)	(2.4-7.8)	---	---
Other/Unknown	2	0	2	0

*Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Note: The "—" is used for rates calculated on numbers less than ten.

Table 206. Leukemia Mortality by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	614	419	104	91
Rate*	6.3	6.3	6.2	6.5
95% C.I.	(5.8-6.8)	(5.7-6.9)	(5.0-7.4)	(5.2-7.8)
Age Group				
<1	2	1	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	5	2	2	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	9	7	2	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	13	9	2	2
Rate*	1.0	---	---	---
95% C.I.	(0.4-1.5)	---	---	---
25-34	10	7	1	2
Rate*	0.7	---	---	---
95% C.I.	(0.3-1.1)	---	---	---
35-44	23	18	4	1
Rate*	1.5	1.7	---	---
95% C.I.	(0.9-2.1)	(0.9-2.5)	---	---
45-54	52	36	10	6
Rate*	4.1	4.3	4.2	---
95% C.I.	(2.9-5.2)	(2.9-5.6)	(1.6-6.9)	---
55-64	91	60	17	14
Rate*	9.9	9.7	11.3	9.7
95% C.I.	(7.9-12.0)	(7.2-12.1)	(5.9-16.7)	(4.6-14.8)
65-74	155	106	26	23
Rate*	24.1	24.5	25.4	21.5
95% C.I.	(20.3-27.9)	(19.8-29.2)	(15.6-35.1)	(12.7-30.2)
75-84	187	130	32	25
Rate*	53.2	55.7	55.3	41.7
95% C.I.	(45.6-60.9)	(46.1-65.2)	(36.2-74.5)	(25.4-58.1)
85+	67	43	8	16
Rate*	87.9	92.1	---	114.0
95% C.I.	(66.8-108.9)	(64.6-119.6)	---	(58.2-169.9)
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten.

Table 207. Leukemia Mortality by County of Residence, Nevada Residents, 1997-2001

County of Residence	1997-2001 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	20	8.0	(4.5-11.5)	7.5	(4.5-11.7)
Churchill	7	---	---	---	---
Clark	419	6.3	(5.7-6.9)	7.6	(6.9-8.4)
Douglas	13	6.3	(2.9-9.8)	6.1	(3.1-11.2)
Elko	9	---	---	---	---
Esmeralda	1	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	2	---	---	---	---
Lander	2	---	---	---	---
Lincoln	4	---	---	---	---
Lyon	11	6.5	(2.6-10.3)	6.0	(2.9-11.4)
Mineral	3	---	---	---	---
Nye	14	8.9	(4.2-13.6)	6.9	(3.6-12.9)
Pershing	0	---	---	---	---
Storey	1	---	---	---	---
Washoe	104	6.2	(5.0-7.4)	7.2	(5.8-8.7)
White Pine	4	---	---	---	---
Unknown	0	---	---	---	---
Total	614	6.3	(5.8-6.8)	7.4	(6.8-8.0)

Note: The "----" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 208. Leukemia Mortality by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity		Gender		
		Male	Female	Total
White	Mortality	322	217	539
	Rate*	10.0	6.0	7.9
	95% C.I.	(8.9-11.3)	(5.2-6.9)	(7.2-8.6)
Black	Mortality	14	12	26
	Rate*	7.5	5.4	6.2
	95% C.I.	(3.4-16.4)	(2.7-10.2)	(3.9-9.9)
Native American	Mortality	2	1	3
	Rate*	---	---	---
	95% C.I.	---	---	---
Asian	Mortality	8	4	12
	Rate*	---	---	3.2
	95% C.I.	---	---	(1.5-8.3)
Hispanic	Mortality	20	12	32
	Rate*	6.4	2.8	4.4
	95% C.I.	(3.5-13.0)	(1.3-6.3)	(2.8-7.2)
Other/Unknown		2	0	2
Total	Mortality	368	246	614
	Rate*	9.5	5.6	7.4
	95% C.I.	(8.5-10.7)	(4.9-6.3)	(6.8-8.0)

Note: The "----" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 209. Leukemia Mortality by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender		
	Male	Female	Total
<1	2	0	2
Rate*	---	---	---
95% C.I.	---	---	---
1-4	1	4	5
Rate*	---	---	---
95% C.I.	---	---	---
5-14	4	5	9
Rate*	---	---	---
95% C.I.	---	---	---
15-24	9	4	13
Rate*	---	---	1.0
95% C.I.	---	---	(0.4-1.5)
25-34	4	6	10
Rate*	---	---	0.7
95% C.I.	---	---	(0.3-1.1)
35-44	14	9	23
Rate*	1.7	---	1.5
95% C.I.	(0.8-2.6)	---	(0.9-2.1)
45-54	35	17	52
Rate*	5.4	2.7	4.1
95% C.I.	(3.6-7.2)	(1.4-4.0)	(2.9-5.2)
55-64	57	34	91
Rate*	12.5	7.4	9.9
95% C.I.	(9.3-15.8)	(4.9-9.9)	(7.9-12.0)
65-74	99	56	155
Rate*	31.2	17.2	24.1
95% C.I.	(25.1-37.4)	(12.7-21.7)	(20.3-27.9)
75-84	116	71	187
Rate*	73.2	36.8	53.2
95% C.I.	(59.9-86.5)	(28.3-45.4)	(45.6-60.9)
85+	27	40	67
Rate*	109.1	77.7	87.9
95% C.I.	(68.0-150.3)	(53.6-101.8)	(66.8-108.9)
Unknown	0	0	0
Total	368	246	614
Rate*	7.4	5.1	6.3
95% C.I.	(6.7-8.2)	(4.5-5.8)	(5.8-6.8)

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten.

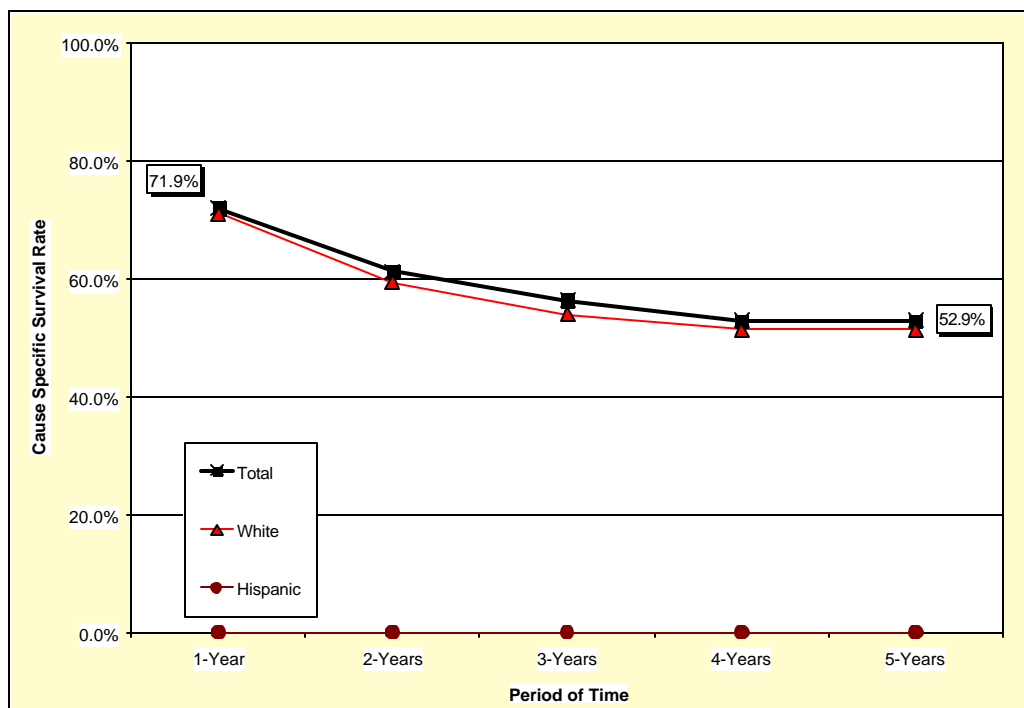
Table 210. Median Age at Death from Leukemia by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity	Gender					
	Male		Female		Total	
	Deaths	Median Age	Deaths	Median Age	Deaths	Median Age
White	322	72.0	217	74.0	539	73.0
Black	14	62.5	12	68.0	26	65.0
Native American	2	---	1	---	3	---
Asian	8	63.5	4	---	12	63.5
Hispanic	20	66.0	12	55.0	32	62.5
Other/Unknown	2	---	0	---	2	---
Total	368	71.0	246	73.0	614	72.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 138. Survival Rates for Leukemia by Race/Ethnicity, Nevada Residents, 1997-2001



Notes: The survival rate for those racial/ethnic groups not included in this chart could not be calculated due to small cell size.

Figure 139. Survival Rates for Leukemia by Stage of Cancer at Diagnosis, Nevada Residents, 1997-2001

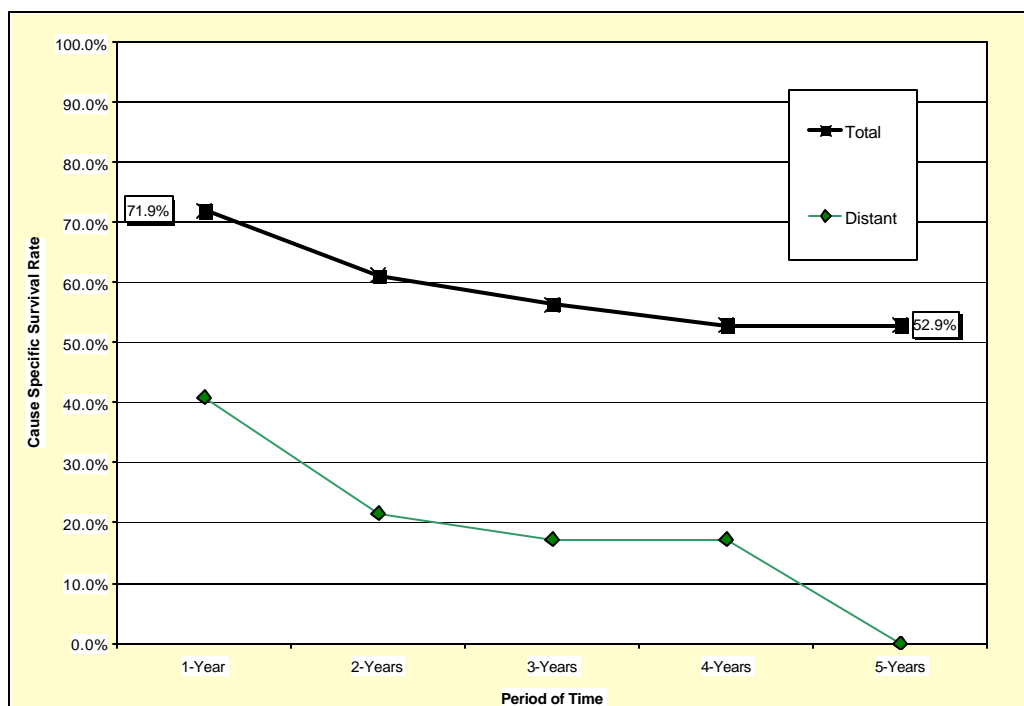


Table 211. Cause-Specific Survival Rates for Leukemia by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	560	55.9%	46.1%	41.1%	36.3%	30.5%	1.60
Male	338	55.2%	46.2%	41.0%	38.8%	33.3%	1.58
Female	222	57.1%	46.1%	41.4%	33.4%	27.3%	1.65
Race/Ethnicity							
White	461	53.5%	43.3%	37.9%	33.0%	28.3%	1.34
Male	282	52.9%	44.9%	38.7%	35.7%	35.7%	1.36
Female	179	54.4%	41.3%	37.1%	29.7%	21.2%	1.34
Black	15	---	---	---	---	---	---
Male	9	---	---	---	---	---	---
Female	6	---	---	---	---	---	---
Native American	5	---	---	---	---	---	---
Male	1	---	---	---	---	---	---
Female	4	---	---	---	---	---	---
Asian	18	---	---	---	---	---	---
Male	9	---	---	---	---	---	---
Female	9	---	---	---	---	---	---
Hispanic	58	67.3%	63.8%	58.0%	50.8%	38.1%	4.06
Male	36	---	---	---	---	---	---
Female	22	---	---	---	---	---	---

Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 212. Cause-Specific Survival Rates for Leukemia by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1997-2001

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	560	338	222
	One Year	55.9%	55.2%	57.1%
	5 Years	30.5%	33.3%	27.3%
	Median Survival	1.60	1.58	1.65
Stage at Diagnosis				
In situ	Cases	0	0	0
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Localized	Cases	0	0	0
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Regional	Cases	0	0	0
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Distant	Cases	560	338	222
	One Year	55.9%	55.2%	57.1%
	5 Years	30.5%	33.3%	27.3%
	Median Survival	1.60	1.58	1.65
Unstaged	Cases	0	0	0
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---

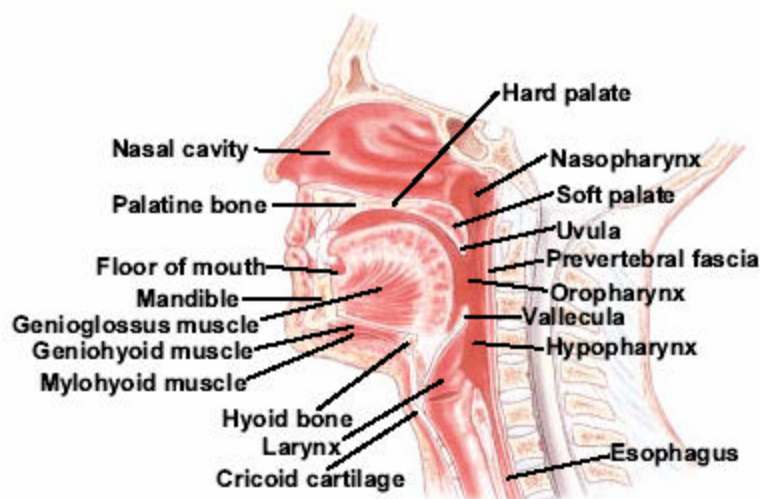
Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

LIP, ORAL CAVITY AND PHARYNX CANCER

LIP, ORAL CAVITY AND PHARYNX CANCER

GENERAL PROFILE⁴

Figure 140. Anatomy of the Oral Cavity⁵



General Anatomy: The oral cavity includes many parts: the lips; the lining inside the lips and cheeks, called the buccal mucosa; the teeth; the bottom (floor) of the mouth under the tongue; the front two-thirds of the tongue; the bony top of the mouth (hard palate); the gums; and the small area behind the wisdom teeth. The oropharynx includes the back one-third of the tongue, the soft palate, the tonsils, and the part of the throat behind the mouth. Salivary glands throughout the oral cavity make saliva, which keeps the mouth moist and helps digest food.

Risk Factors: Tobacco use (especially smokeless tobacco), chronic and/or heavy alcohol use, sun exposure (Lip), history of leukoplakia (whitish patch inside the mouth associated with tobacco use), and erythroplakia (reddish patches usually in those over 60 years old)

Signs and Symptoms: Oral cancer usually occurs in people over the age of 45 but can develop at any age. These are some symptoms to watch for: A sore on the lip or in the mouth that does not heal, a lump on the lip or in the mouth or throat, a white or red patch on the gums, tongue, or lining of the mouth, unusual bleeding, pain, or numbness in the mouth, a sore throat that does not go away, or a feeling that something is caught in the throat, difficulty or pain with chewing or swallowing, swelling of the jaw that causes dentures to fit poorly or become uncomfortable, a change in the voice, and/or, pain in the ear.

Diagnosing the Cancer: Health exam, dental x-rays, head and chest x-rays, computed tomography (CAT) scan, ultrasonography, magnetic resonance imaging (MRI).

Treatment: Surgery, radiation therapy, chemotherapy, and clinical trials.

HIGHLIGHTS

- The ratio of the age-adjusted incidence rate, 10.6, to the age-adjusted mortality rate, 2.5 (per 100,000 – 2000 US Standard population), for Lip, Oral Cavity and Pharynx Cancer was 4.24 during the 1996 to 2001 period, which means that for every 4.24 cases of Lip, Oral Cavity and Pharynx Cancer there was one death for this type of cancer in Nevada during this period.
- Nevadan males had a higher ratio than females when the age-adjusted incidence and age-adjusted mortality rates for Lip, Oral Cavity and Pharynx Cancer were compared. For every male death due to this type of cancer there were 4.89 male cases, while there were 3.60 female cases for every female death due to Lip, Oral Cavity and Pharynx Cancer from 1997 to 2001.
- The median age at diagnosis of Lip, Oral Cavity and Pharynx Cancer for Nevada residents was 62 years of age from 1997 to 2001 while the median age for males and females was 62 and 65 years, respectively. The median age at time of death due to Lip, Oral Cavity and Pharynx Cancer was 67 years statewide, 65.5 years of age for males and 72 years of age for females.

INCIDENCE

- Nevada's age-adjusted incidence rate for Lip, Oral Cavity and Pharynx Cancer (10.6) was only slightly lower than the National rate of 10.7 (per 100,000 – 2000 US Standard population) from 1997 to 2001.
- The statistically significant age-adjusted incidence rate for male Lip, Oral Cavity and Pharynx Cancer, 15.3 (14.1-16.6), was more than double the rate for females, 6.3 (5.6-7.1), per 100,000 – 2000 US Standard population, during the 1997 to 2001 period.
- While regional comparisons showed that Washoe County's age-adjusted incidence rate for Lip, Oral Cavity and Pharynx Cancer (11.5) was higher than the rate for Clark County (10.7) and All Other Counties (9.6) (per 100,000 – 2000 US Standard population) from 1997 to 2001, these differences were not statistically significant.
- Whites had the highest age-adjusted incidence rate of all racial/ethnic groups at 11.7, and were followed by Blacks, Hispanics and Asians with rates of 9.4, 4.6 and 4.1 (per 100,000 – 2000 US Standard population), respectively.

INPATIENT HOSPITAL DISCHARGES

- There were 526 Lip, Oral Cavity and Pharynx Cancer inpatient discharges in Nevada from 1997 to 2001. The statistically significant age-adjusted inpatient discharge rate for males, 7.6 (6.8-8.5), was twice the inpatient discharge rate for females, 3.6 (3.1-4.2) (per 100,000 – 2000 US Standard population), in Nevada during this period.

- Total billed charges for hospital inpatient discharges from Lip, Oral Cavity and Pharynx Cancer in Nevada totaled over 18.3 million dollars from 1997 to 2001. Clark County had the highest median total charge (\$34,388), and also had the longest average length of stay (7.7 days) during this time period.
- The overall average billed charge per day for an inpatient hospital discharge for Lip, Oral Cavity, and Pharynx Cancer in Nevada was nearly \$4,643 from 1997 to 2001.

MORTALITY

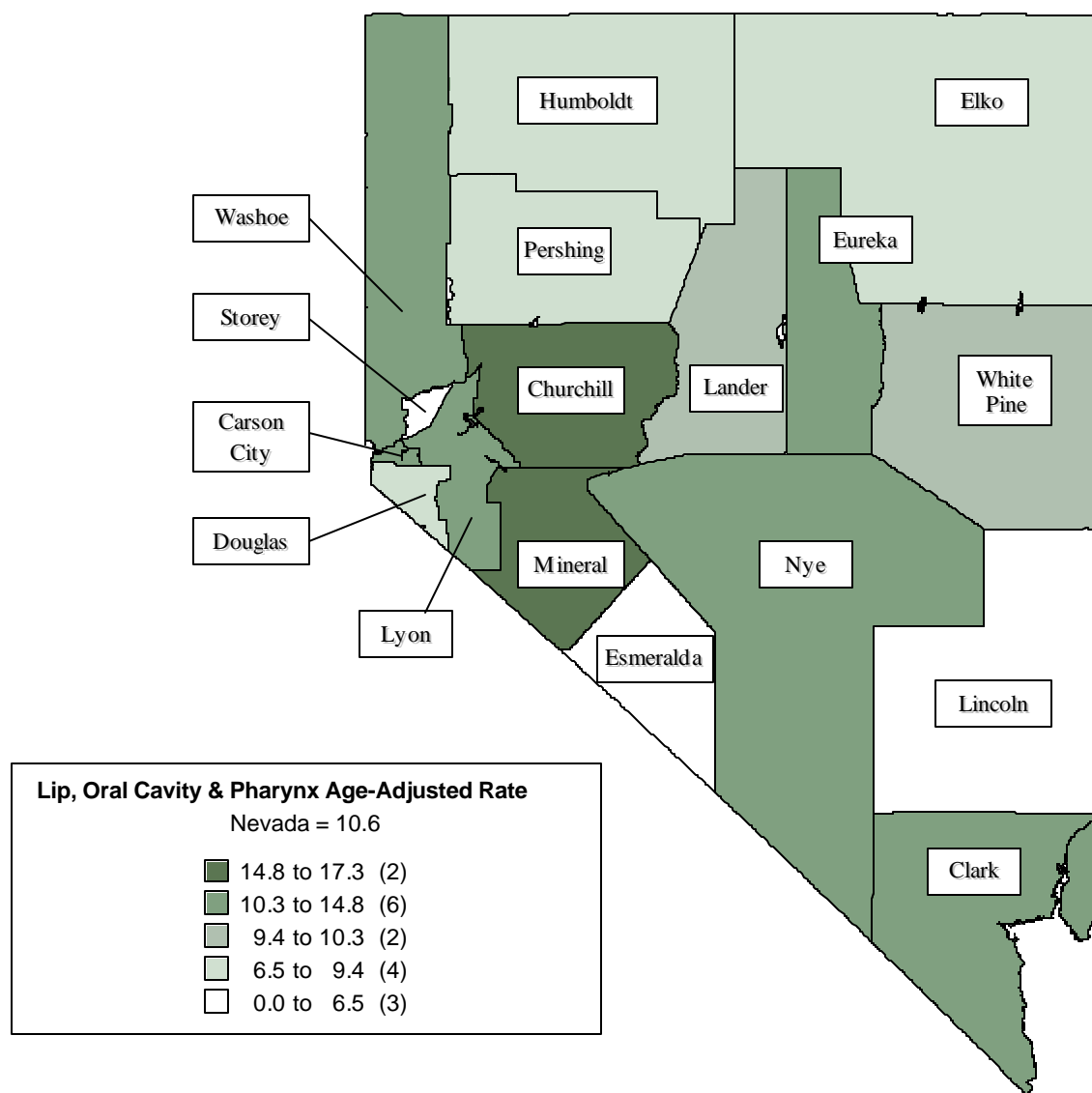
- There were 225 deaths due to Lip, Oral Cavity and Pharynx Cancer in Nevada from 1997 to 2001. While age-adjusted mortality rates were higher in All Other Counties (2.9) and Clark County (2.5), compared to Washoe County (2.3), statistical analysis shows that there is not a statistically significant difference between the three regions.
- Males had a statistically significant higher age-adjusted mortality rate due to Lip, Oral Cavity and Pharynx Cancer, 3.2 (2.7-3.9), than their female counterparts, 1.8 (1.5-2.3) (per 100,000 – 2000 US Standard population), during the 1997 to 2001 period.

SURVIVAL RATE

- Females in Nevada had a slightly higher one- and five year survival rate (78.7% and 53.5%) than males (78.5% and 47.6%) for Lip, Oral Cavity and Pharynx Cancer during the 1997 to 2001 period. Females median survival time was greater than the survival time for males at over five years and 3.73 years, respectively.
- The one-year survival rate for those diagnosed with Lip, Oral Cavity and Pharynx Cancer at the localized stage was 86.9%, while those diagnosed at the regional, distant and unstaged stages had rates of 81.6%, 63.8% and 66.4%, respectively.
- The five-year survival rate for Lip, Oral Cavity and Pharynx Cancer with those at the localized stage was 64.7%, and was followed by those at the regional stage with rates of 49.2%.
- The median survival time for those diagnosed with Lip, Oral Cavity and Pharynx Cancer at the localized and regional stage was over five years, while those diagnosed at the unstaged levels had median survival times of 1.23 years.

INCIDENCE

Figure 141. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted (2001) Incidence Rates, Nevada Residents, 1997-2001



Note: Rates are per 100,000 population and age-adjusted to 2001 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 142. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1997-2001

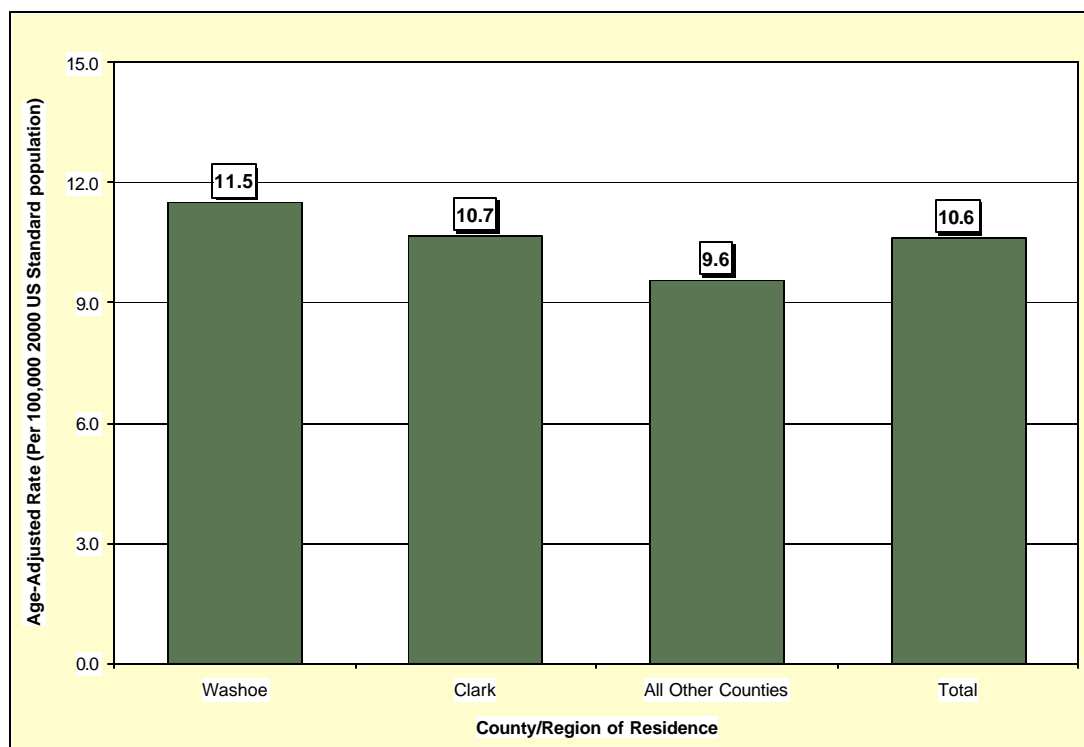


Figure 143. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1997-2001

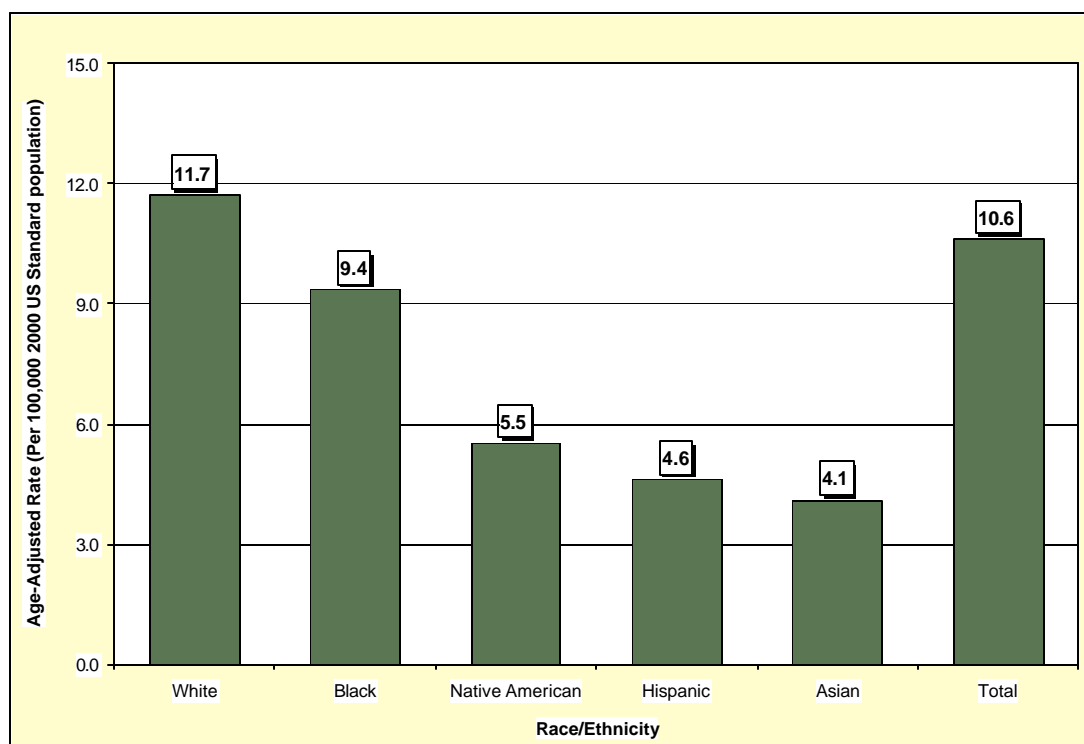


Table 213. Lip, Oral Cavity and Pharynx Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1997-2001)
Total						
Cases	994	670	180	143	1	18,668
Rate*	10.6	10.7	11.5	9.6	---	10.7
95% C.I.	(10.0-11.3)	(9.9-11.6)	(9.9-13.4)	(8.1-11.3)	---	(10.5-10.8)
Gender						
Male	695	472	119	104	0	12,452
Rate*	15.3	15.6	15.7	13.9	---	15.7
95% C.I.	(14.1-16.6)	(14.1-17.3)	(12.9-19.2)	(11.3-17.2)	---	(15.5-16.0)
Female	299	198	61	39	1	6,216
Rate*	6.3	6.2	7.6	5.3	---	6.4
95% C.I.	(5.6-7.1)	(5.4-7.2)	(5.8-9.8)	(3.7-7.2)	---	(6.3-6.6)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	887	596	157	133	1	14,890
Rate*	11.7	12.3	11.6	10.0	---	10.7
95% C.I.	(11.0-12.5)	(11.3-13.3)	(9.9-13.7)	(8.3-11.9)	---	(10.5-10.8)
Black	42	32	8	2	0	1,888
Rate*	9.4	7.8	---	---	---	11.9
95% C.I.	(6.6-13.3)	(5.2-11.8)	---	---	---	(11.3-12.4)
Native American	5	1	3	1	0	121
Rate*	---	---	---	---	---	6.8
95% C.I.	---	---	---	---	---	(5.6-5.6)
Asian	13	9	4	0	0	1,618
Rate*	4.1	---	---	---	---	8.7
95% C.I.	(1.6-10.2)	---	---	---	---	(8.3-9.1)
Hispanic	35	20	8	7	0	1,190
Rate*	4.6	3.3	---	---	---	6.4
95% C.I.	(3.0-7.3)	(1.8-6.4)	---	---	---	(6.0-6.8)
Other/Unknown	12	12	0	0	0	151

* Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Note: The "—" is used for rates calculated on numbers less than ten and SEER numbers less than five. Caution should be used when comparing rates for racial/ethnic groups to the National (SEER) rates. See Technical Notes for more information.

Table 214. Lip, Oral Cavity and Pharynx Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1997-2001)
Total						
Cases	994	670	180	143	1	18,668
Rate*	10.2	10.1	10.7	10.2	---	10.1
95% C.I.	(9.6-10.8)	(9.3-10.8)	(9.2-12.3)	(8.6-11.9)	---	(9.9-10.2)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	6
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	4	3	0	1	0	48
Rate*	---	---	---	---	---	0.2
95% C.I.	---	---	---	---	---	(0.1-0.2)
15-24	4	2	1	1	0	129
Rate*	---	---	---	---	---	0.5
95% C.I.	---	---	---	---	---	(0.4-0.6)
25-34	17	8	3	6	0	461
Rate*	1.2	---	---	---	---	1.6
95% C.I.	(0.6-1.7)	---	---	---	---	(1.4-1.7)
35-44	57	41	11	5	0	1,463
Rate*	3.7	3.9	3.9	---	---	4.7
95% C.I.	(2.7-4.6)	(2.7-5.1)	(1.6-6.2)	---	---	(4.4-4.9)
45-54	172	109	33	30	0	3,657
Rate*	13.4	12.9	14.0	14.9	---	16.0
95% C.I.	(11.4-15.4)	(10.5-15.3)	(9.2-18.7)	(9.6-20.3)	---	(15.5-16.5)
55-64	312	217	53	42	0	4,159
Rate*	34.1	34.9	35.3	29.1	---	29.7
95% C.I.	(30.3-37.8)	(30.3-39.6)	(25.8-44.8)	(20.3-37.9)	---	(28.8-30.6)
65-74	273	192	46	34	1	4,494
Rate*	42.5	44.4	44.9	31.7	---	39.0
95% C.I.	(37.5-47.6)	(38.1-50.7)	(31.9-57.8)	(21.1-42.4)	---	(37.8-40.1)
75-84	124	79	24	21	0	3,223
Rate*	35.3	33.8	41.5	35.1	---	44.3
95% C.I.	(29.1-41.5)	(26.4-41.3)	(24.9-58.1)	(20.1-50.1)	---	(42.8-45.9)
85+	30	19	8	3	0	1,025
Rate*	39.4	40.7	---	---	---	41.3
95% C.I.	(25.3-53.4)	(22.4-59.0)	---	---	---	(38.8-43.9)
Unknown	1	0	1	0	0	0

* Rates are per 100,000 age-specific population.

Note: The “---” is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 215. Lip, Oral Cavity and Pharynx Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1997-2001

County of Residence at Diagnosis	1997-2001 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	31	12.4	(8.1-16.8)	10.8	(7.3-15.5)
Churchill	20	16.6	(9.3-23.8)	17.3	(10.5-27.3)
Clark	670	10.1	(9.3-10.8)	10.7	(9.9-11.6)
Douglas	19	9.3	(5.1-13.4)	7.2	(4.3-12.1)
Elko	10	4.3	(1.6-7.0)	7.7	(3.2-16.1)
Esmeralda	0	---	---	---	---
Eureka	1	---	---	---	---
Humboldt	5	---	---	---	---
Lander	3	---	---	---	---
Lincoln	0	---	---	---	---
Lyon	22	12.9	(7.5-18.3)	11.1	(6.9-17.4)
Mineral	4	---	---	---	---
Nye	21	13.4	(7.6-19.1)	10.3	(6.2-17.2)
Pershing	2	---	---	---	---
Storey	0	---	---	---	---
Washoe	180	10.7	(9.2-12.3)	11.5	(9.9-13.4)
White Pine	5	---	---	---	---
Unknown	1	---	---	---	---
Total	994	10.2	(9.6-10.8)	10.6	(10.0-11.3)

Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 216. Lip, Oral Cavity and Pharynx Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity		Gender			
		Male	Female	Other/Unknown	Total
White	Incidence	617	270	0	887
	Rate*	16.6	7.1	---	11.7
	95% C.I.	(15.2-18.0)	(6.2-8.0)	---	(11.0-12.5)
Black	Incidence	29	13	0	42
	Rate*	14.9	5.2	---	9.4
	95% C.I.	(9.3-24.7)	(2.7-9.6)	---	(6.6-13.3)
Native American	Incidence	4	1	0	5
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	12	1	0	13
	Rate*	9.1	---	---	4.1
	95% C.I.	(3.4-23.0)	---	---	(1.6-10.2)
Hispanic	Incidence	22	13	0	35
	Rate*	6.9	2.8	---	4.6
	95% C.I.	(3.9-13.5)	(1.4-6.0)	---	(3.0-7.3)
Other/Unknown		11	1	0	12
Total	Incidence	695	299	0	994
	Rate*	15.3	6.3	---	10.6
	95% C.I.	(14.1-16.6)	(5.6-7.1)	---	(10.0-11.3)

Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 217. Lip, Oral Cavity and Pharynx Cancer Cases by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender			
	Male	Female	Other/ Unknown	Total
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	3	1	0	4
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	3	0	4
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	11	6	0	17
Rate*	1.4	---	---	1.2
95% C.I.	(0.6-2.3)	---	---	(0.6-1.7)
35-44	37	20	0	57
Rate*	4.6	2.7	---	3.7
95% C.I.	(3.1-6.1)	(1.5-3.8)	---	(2.7-4.6)
45-54	131	41	0	172
Rate*	20.2	6.5	---	13.4
95% C.I.	(16.7-23.6)	(4.5-8.5)	---	(11.4-15.4)
55-64	243	69	0	312
Rate*	53.4	15.0	---	34.1
95% C.I.	(46.7-60.1)	(11.4-18.5)	---	(30.3-37.8)
65-74	185	88	0	273
Rate*	58.4	27.1	---	42.5
95% C.I.	(50.0-66.8)	(21.4-32.7)	---	(37.5-47.6)
75-84	64	60	0	124
Rate*	40.4	31.1	---	35.3
95% C.I.	(30.5-50.3)	(23.3-39.0)	---	(29.1-41.5)
85+	19	11	0	30
Rate*	76.8	21.4	---	39.4
95% C.I.	(42.3-111.3)	(8.7-34.0)	---	(25.3-53.4)
Unknown	1	0	0	1
Total	695	299	0	994
Rate*	14.0	6.2	---	10.2
95% C.I.	(13.0-15.1)	(5.5-7.0)	---	(9.6-10.8)

* Rates are per 100,000 age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten.

Table 218. Lip, Oral Cavity and Pharynx Cancer Cases by Age Group and Stage, Nevada Residents, 1997-2001

Age Group		Stage				
		In situ	Localized	Regional	Distant	Unstaged
<1	Number	0	0	0	0	0
	Percent	---	---	---	---	---
1-4	Number	0	0	0	0	0
	Percent	---	---	---	---	---
5-14	Number	0	0	1	0	3
	Percent	---	---	25.0%	---	75.0%
15-24	Number	0	2	1	1	0
	Percent	---	50.0%	25.0%	25.0%	---
25-34	Number	0	7	5	3	2
	Percent	---	41.2%	29.4%	17.6%	11.8%
35-44	Number	0	24	22	4	7
	Percent	---	42.1%	38.6%	7.0%	12.3%
45-54	Number	0	50	75	13	34
	Percent	---	29.1%	43.6%	7.6%	19.8%
55-64	Number	0	88	122	33	69
	Percent	---	28.2%	39.1%	10.6%	22.1%
65-74	Number	0	100	100	21	52
	Percent	---	36.6%	36.6%	7.7%	19.0%
75-84	Number	0	41	35	13	35
	Percent	---	33.1%	28.2%	10.5%	28.2%
85+	Number	0	9	11	2	8
	Percent	---	30.0%	36.7%	6.7%	26.7%
Unknown	Number	0	1	0	0	0
	Percent	---	100.0%	---	---	---
Total	Number	0	322	372	90	210
	Percent	---	32.4%	37.4%	9.1%	21.1%

Table 219. Lip, Oral Cavity and Pharynx Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1997-2001

Stage		Race/Ethnicity						
		White	Black	Native American	Asian	Hispanic	Other/Unknown	Total
In situ	Number	0	0	0	0	0	0	0
	Percent	---	---	---	---	---	---	---
Localized	Number	290	14	2	4	9	3	322
	Percent	32.7%	33.3%	40.0%	30.8%	25.7%	25.0%	32.4%
Regional	Number	329	17	1	5	16	4	372
	Percent	37.1%	40.5%	20.0%	38.5%	45.7%	33.3%	37.4%
Distant	Number	79	5	1	2	3	0	90
	Percent	8.9%	11.9%	20.0%	15.4%	8.6%	---	9.1%
Unstaged	Number	189	6	1	2	7	5	210
	Percent	21.3%	14.3%	20.0%	15.4%	20.0%	41.7%	21.1%
Total	Number	887	42	5	13	35	12	994
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

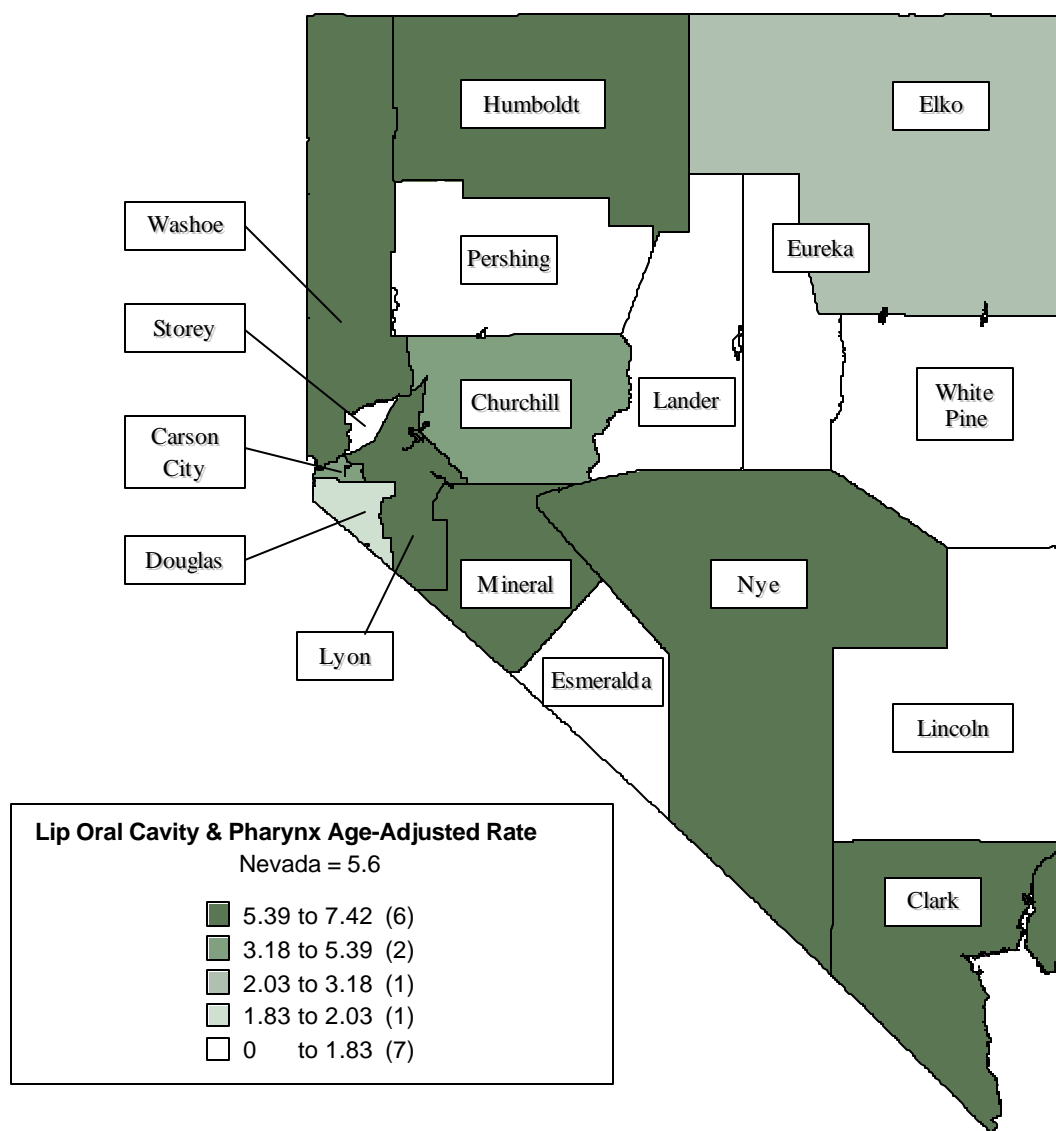
Table 220. Median Age at Diagnosis of Lip, Oral Cavity and Pharynx Cancer by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity	Gender					
	Male		Female		Total	
	Incidence	Median Age	Incidence	Median Age	Incidence	Median Age
White	616	61.0	270	66.0	886	62.0
Black	29	63.0	13	62.0	42	62.0
Native American	4	---	1	---	5	61.0
Asian	12	64.5	1	---	13	66.0
Hispanic	22	61.0	13	54.0	35	56.0
Other/Unknown	11	66.0	1	---	12	65.0
Total	694	62.0	299	65.0	993	62.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

Figure 144. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted (2001) Inpatient Discharge Rates, Nevada Residents, 1997-2001



Note: Rates are per 100,000 population and age-adjusted to 2001 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical notes for more information.

Figure 145. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1997-2001

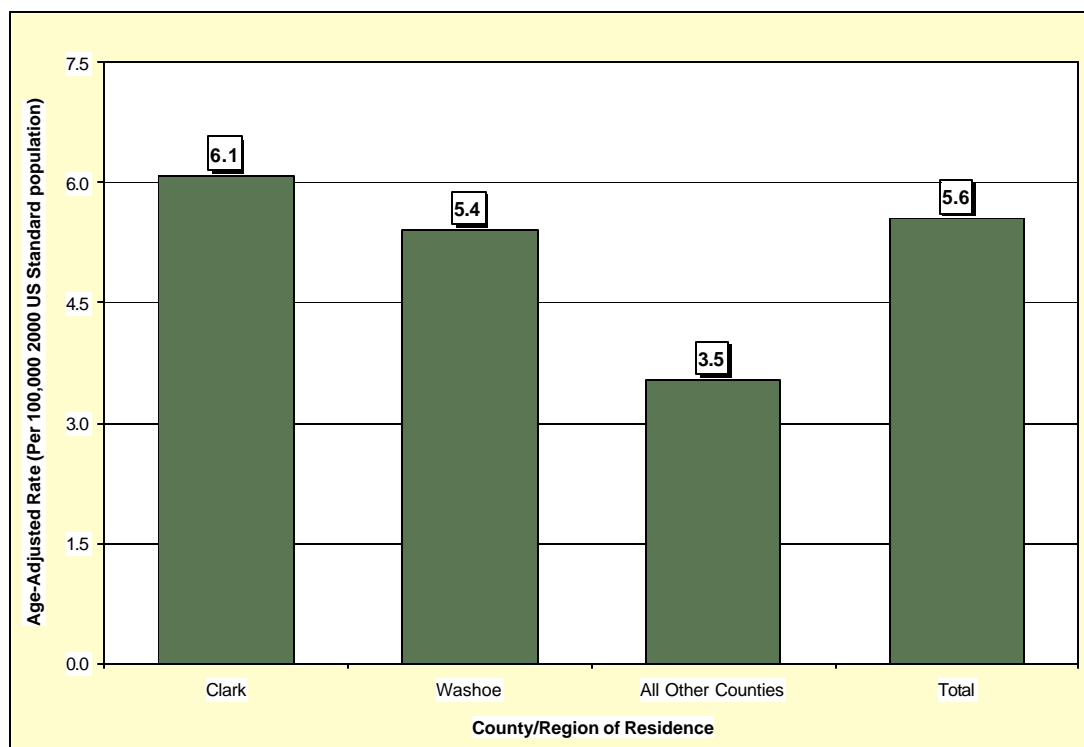


Figure 146. Median Charges for Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

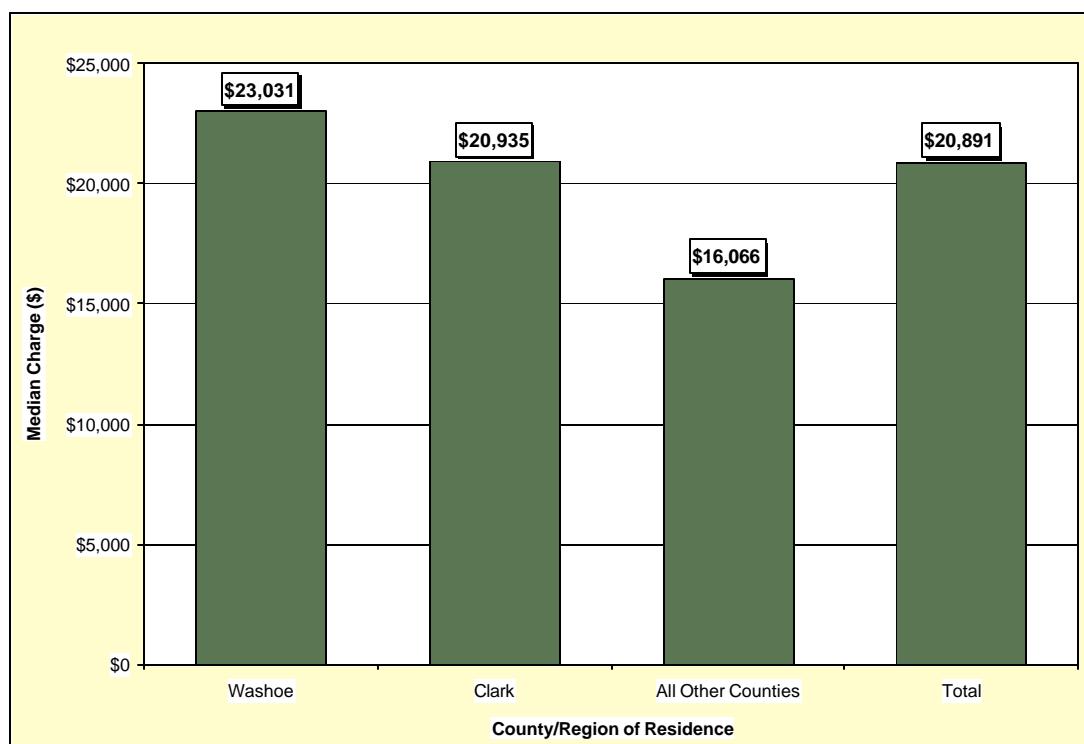


Figure 147. Average Length of Stay for Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

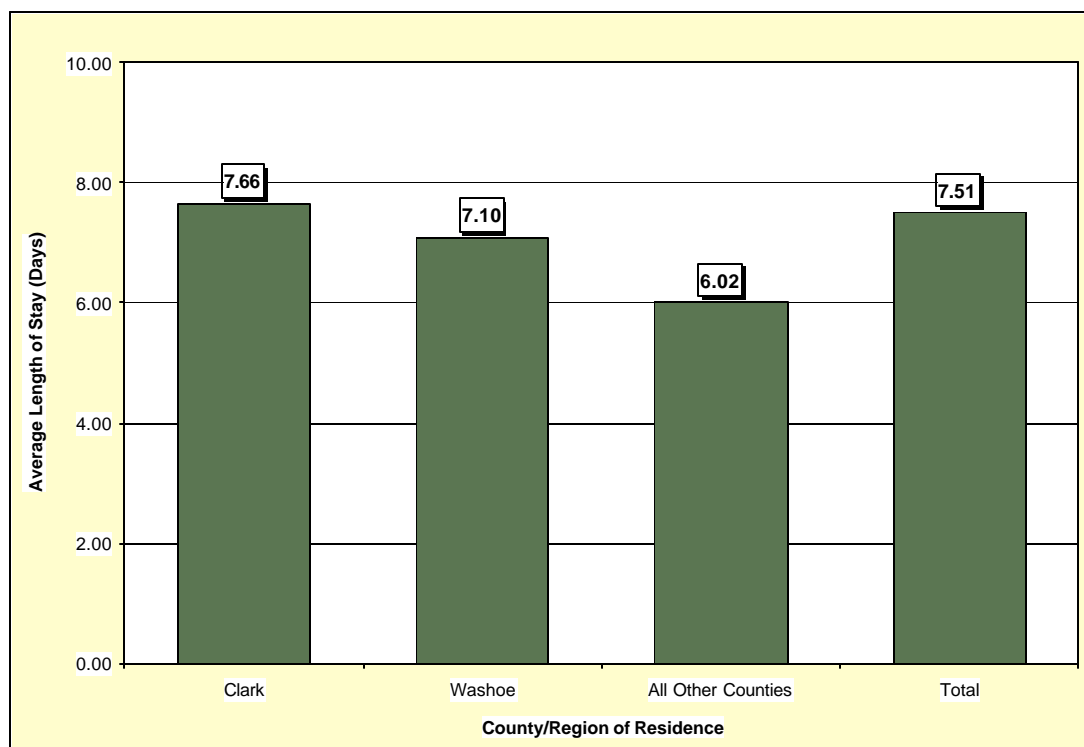


Table 221. Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	526	387	84	54	1
Rate*	5.6	6.1	5.4	3.5	---
95% C.I.	(5.1-6.1)	(5.5-6.8)	(4.3-6.8)	(2.6-4.7)	---
Gender					
Male	352	265	49	37	1
Rate*	7.6	8.6	6.3	5.0	---
95% C.I.	(6.8-8.5)	(7.5-9.9)	(4.6-8.6)	(3.4-7.2)	---
Female	174	122	35	17	0
Rate*	3.6	3.8	4.4	2.2	---
95% C.I.	(3.1-4.2)	(3.1-4.6)	(3.1-6.2)	(1.3-3.6)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$18,319,594	\$13,308,001	\$2,742,849	\$1,702,357	\$566,387
Average Charges	\$34,828	\$34,388	\$32,653	\$31,525	\$566,387
Median Charges	\$20,891	\$20,935	\$23,031	\$16,066	\$566,387
Discharge Length of Stay (LOS) (Days)					
Total LOS	3,951	2,964	596	325	66
Average LOS	7.5	7.7	7.1	6.0	66.0
Median LOS	4.0	4.0	5.0	3.5	66.0

* Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 222. Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	526	387	84	54	1
Rate*	5.4	5.8	5.0	3.9	---
95% C.I.	(4.9-5.9)	(5.2-6.4)	(3.9-6.1)	(2.8-4.9)	---
Age Group					
<1	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
1-4	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
5-14	1	1	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
15-24	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
25-34	4	4	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
35-44	27	21	4	2	0
Rate*	1.7	2.0	---	---	---
95% C.I.	(1.1-2.4)	(1.1-2.9)	---	---	---
45-54	85	67	8	10	0
Rate*	6.6	7.9	---	4.2	---
95% C.I.	(5.2-8.0)	(6.0-9.8)	---	(1.6-6.9)	---
55-64	181	132	25	23	1
Rate*	19.8	21.2	16.7	15.3	---
95% C.I.	(16.9-22.6)	(17.6-24.9)	(10.1-23.2)	(9.1-21.6)	---
65-74	155	113	30	12	0
Rate*	24.1	26.1	29.3	11.7	---
95% C.I.	(20.3-27.9)	(21.3-30.9)	(18.8-39.7)	(5.1-18.3)	---
75-84	62	41	16	5	0
Rate*	17.6	17.6	27.7	---	---
95% C.I.	(13.3-22.0)	(12.2-22.9)	(14.1-41.2)	---	---
85+	11	8	1	2	0
Rate*	14.4	---	---	---	---
95% C.I.	(5.9-23.0)	---	---	---	---
Unknown	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The “---” is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 223. Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	1	0	1
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
25-34	1	3	4
Rate*	---	---	---
95% C.I.	---	---	---
35-44	19	8	27
Rate*	2.4	---	1.7
95% C.I.	(1.3-3.4)	---	(1.1-2.4)
45-54	66	19	85
Rate*	10.2	3.0	6.6
95% C.I.	(7.7-12.6)	(1.7-4.3)	(5.2-8.0)
55-64	140	41	181
Rate*	30.8	8.9	19.8
95% C.I.	(25.7-35.9)	(6.2-11.6)	(16.9-22.6)
65-74	93	62	155
Rate*	29.3	19.1	24.1
95% C.I.	(23.4-35.3)	(14.3-23.8)	(20.3-27.9)
75-84	24	38	62
Rate*	15.1	19.7	17.6
95% C.I.	(9.1-21.2)	(13.4-26.0)	(13.3-22.0)
85+	8	3	11
Rate*	---	---	14.4
95% C.I.	---	---	(5.9-23.0)
Unknown	0	0	0
Total	352	174	526
Rate*	7.1	3.6	5.4
95% C.I.	(6.4-7.9)	(3.1-4.2)	(4.9-5.9)

* Rates are per 100,000 age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 224. Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

County of Residence	1997-2001 Inpatient Hospital Discharges				
	Number	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	9	---	---	---	---
Churchill	4	---	---	---	---
Clark	387	5.8	(5.2-6.4)	6.1	(5.5-6.8)
Douglas	5	---	---	---	---
Elko	3	---	---	---	---
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	5	---	---	---	---
Lander	0	---	---	---	---
Lincoln	0	---	---	---	---
Lyon	11	6.5	(2.6-10.3)	5.4	(2.7-10.3)
Mineral	2	---	---	---	---
Nye	15	9.5	(4.7-14.4)	7.3	(3.9-13.5)
Pershing	0	---	---	---	---
Storey	0	---	---	---	---
Washoe	84	5.0	(3.9-6.1)	5.4	(4.3-6.8)
White Pine	0	---	---	---	---
Unknown	1	---	---	---	---
Total	526	5.4	(4.9-5.9)	5.6	(5.1-6.1)

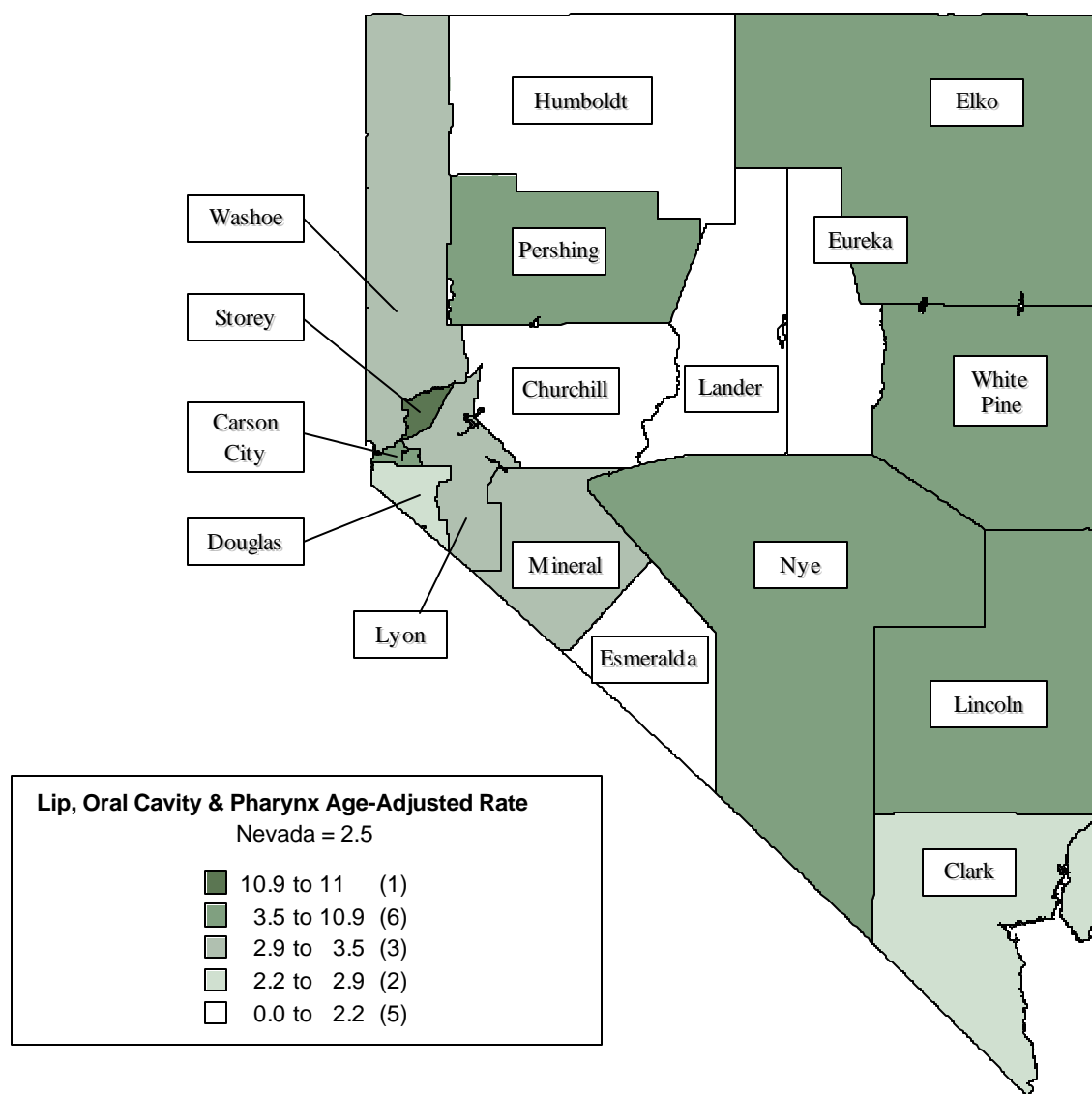
Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 225. Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1997-2001

Age Group	Discharges	Charges (\$)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	0	---	---	---	---	---	---
1-4	0	---	---	---	---	---	---
5-14	1	---	---	---	---	---	---
15-24	0	---	---	---	---	---	---
25-34	4	---	---	---	---	---	---
35-44	27	681,766	25,251	17,785	116	4.3	3.0
45-54	85	2,270,755	26,715	21,283	559	6.6	4.0
55-64	181	7,579,784	41,877	22,047	1,744	9.6	5.0
65-74	155	5,217,946	33,664	20,948	997	6.4	4.0
75-84	62	1,990,007	32,097	18,724	414	6.7	4.0
85+	11	304,879	27,716	19,252	62	5.6	5.0
Unknown	0	---	---	---	---	---	---
Total	526	566,387	505	33,790	134	505.0	7.6

MORTALITY

Figure 148. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted (2001) Mortality Rates, Nevada Residents, 1997-2001



Note: Rates are per 100,000 population and age-adjusted to 2001 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 149. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1997-2001

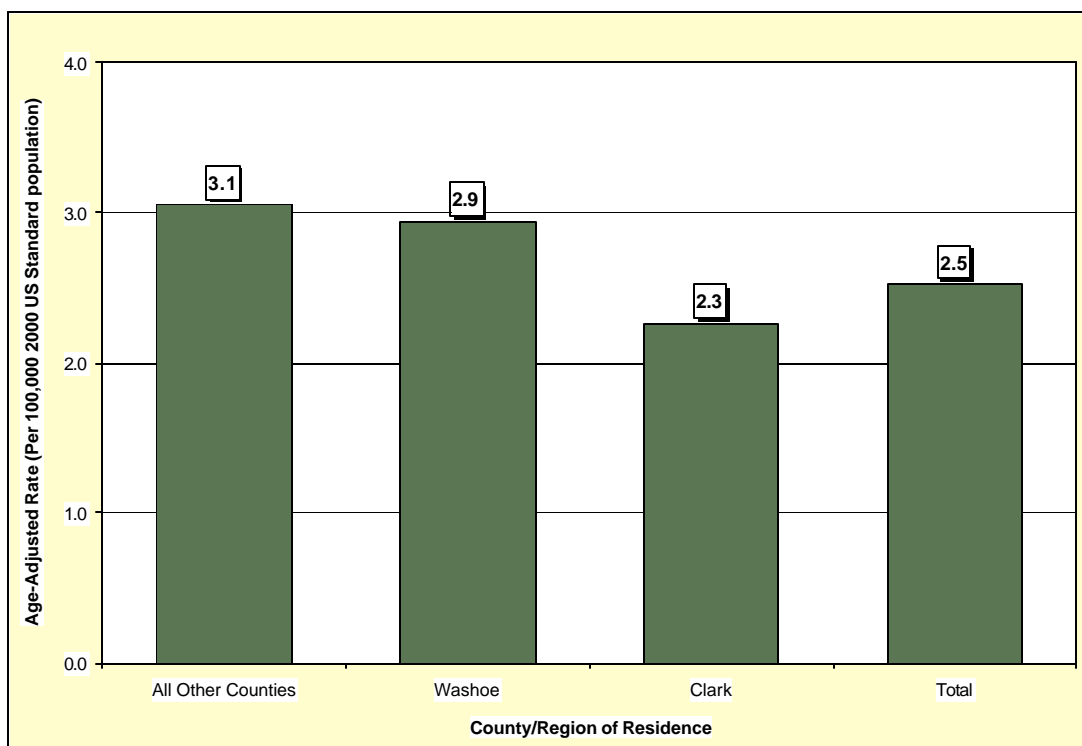


Figure 150. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1997-2001

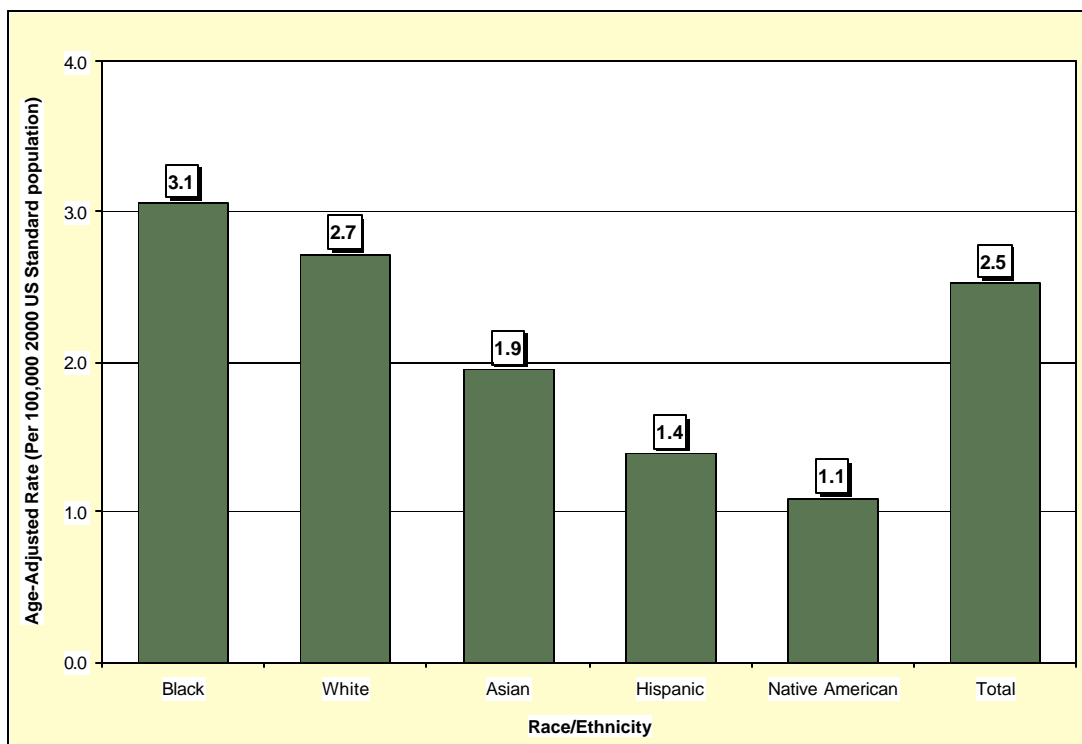


Table 226. Lip, Oral Cavity and Pharynx Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	225	137	43	45
Rate*	2.5	2.3	2.9	3.1
95% C.I.	(2.2-2.9)	(1.9-2.7)	(2.1-4.0)	(2.2-4.2)
Gender				
Male	142	84	23	35
Rate*	3.2	2.9	3.0	4.7
95% C.I.	(2.7-3.9)	(2.3-3.8)	(1.9-4.9)	(3.2-6.9)
Female	83	53	20	10
Rate*	1.8	1.7	2.6	1.4
95% C.I.	(1.5-2.3)	(1.3-2.3)	(1.6-4.1)	(0.7-2.6)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	201	119	38	44
Rate*	2.7	2.5	3.0	3.3
95% C.I.	(2.3-3.1)	(2.0-3.0)	(2.1-4.1)	(2.4-4.5)
Black	13	11	2	0
Rate*	3.1	2.7	---	---
95% C.I.	(1.6-5.9)	(1.3-5.7)	---	---
Native American	1	0	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	3	2	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Hispanic	7	5	1	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Other/Unknown	0	0	0	0

*Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Note: The "—" is used for rates calculated on numbers less than ten.

Table 227. Lip, Oral Cavity and Pharynx Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	225	137	43	45
Rate*	2.3	2.1	2.6	3.2
95% C.I.	(2.0-2.6)	(1.7-2.4)	(1.8-3.3)	(2.3-4.2)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	6	4	1	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	26	13	7	6
Rate*	2.0	1.5	---	---
95% C.I.	(1.2-2.8)	(0.7-2.4)	---	---
55-64	60	39	10	11
Rate*	6.5	6.3	6.7	7.6
95% C.I.	(4.9-8.2)	(4.3-8.2)	(2.5-10.8)	(3.1-12.1)
65-74	66	39	11	16
Rate*	10.3	9.0	10.7	14.9
95% C.I.	(7.8-12.8)	(6.2-11.8)	(4.4-17.1)	(7.6-22.2)
75-84	53	36	9	8
Rate*	15.1	15.4	---	---
95% C.I.	(11.0-19.1)	(10.4-20.4)	---	---
85+	12	4	5	3
Rate*	15.7	---	---	---
95% C.I.	(6.8-24.6)	---	---	---
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten.

Table 228. Lip, Oral Cavity and Pharynx Cancer Mortality by County of Residence, Nevada Residents, 1997-2001

County of Residence	1997-2001 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	11	4.4	(1.8-7.0)	3.9	(1.9-7.2)
Churchill	1	---	---	---	---
Clark	137	2.1	(1.7-2.4)	2.3	(1.9-2.7)
Douglas	6	---	---	---	---
Elko	3	---	---	---	---
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	0	---	---	---	---
Lander	0	---	---	---	---
Lincoln	1	---	---	---	---
Lyon	6	---	---	---	---
Mineral	1	---	---	---	---
Nye	9	---	---	---	---
Pershing	1	---	---	---	---
Storey	3	---	---	---	---
Washoe	43	2.6	(1.8-3.3)	2.9	(2.1-4.0)
White Pine	3	---	---	---	---
Unknown	0	---	---	---	---
Total	225	2.3	(2.0-2.6)	2.5	(2.2-2.9)

Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 229. Lip, Oral Cavity and Pharynx Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity		Gender		
		Male	Female	Total
White	Mortality	130	71	201
	Rate*	3.5	1.9	2.7
	95% C.I.	(2.9-4.2)	(1.5-2.4)	(2.3-3.1)
Black	Mortality	6	7	13
	Rate*	---	---	3.1
	95% C.I.	---	---	(1.6-5.9)
Native American	Mortality	0	1	1
	Rate*	---	---	---
	95% C.I.	---	---	---
Asian	Mortality	2	1	3
	Rate*	---	---	---
	95% C.I.	---	---	---
Hispanic	Mortality	4	3	7
	Rate*	---	---	---
	95% C.I.	---	---	---
Other/Unknown		0	0	0
Total	Mortality	142	83	225
	Rate*	3.2	1.8	2.5
	95% C.I.	(2.7-3.9)	(1.5-2.3)	(2.2-2.9)

Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 230. Lip, Oral Cavity and Pharynx Cancer Mortality by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	1	1
Rate*	---	---	---
95% C.I.	---	---	---
25-34	0	1	1
Rate*	---	---	---
95% C.I.	---	---	---
35-44	2	4	6
Rate*	---	---	---
95% C.I.	---	---	---
45-54	17	9	26
Rate*	2.6	---	2.0
95% C.I.	(1.4-3.9)	---	(1.2-2.8)
55-64	45	15	60
Rate*	9.9	3.3	6.5
95% C.I.	(7.0-12.8)	(1.6-4.9)	(4.9-8.2)
65-74	48	18	66
Rate*	15.1	5.5	10.3
95% C.I.	(10.9-19.4)	(3.0-8.1)	(7.8-12.8)
75-84	26	27	53
Rate*	16.4	14.0	15.1
95% C.I.	(10.1-22.7)	(8.7-19.3)	(11.0-19.1)
85+	4	8	12
Rate*	---	---	15.7
95% C.I.	---	---	(6.8-24.6)
Unknown	0	0	0
Total	142	83	225
Rate*	2.9	1.7	2.3
95% C.I.	(2.4-3.3)	(1.4-2.1)	(2.0-2.6)

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten.

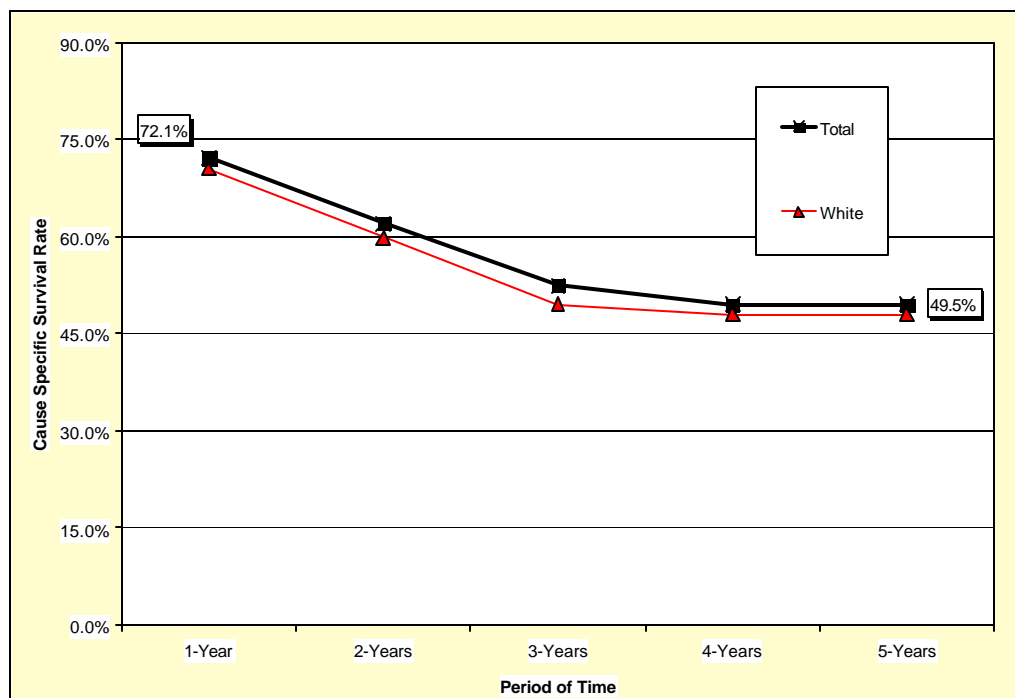
Table 231. Median Age at Death from Lip, Oral Cavity and Pharynx Cancer by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity	Gender					
	Male		Female		Total	
	Deaths	Median Age	Deaths	Median Age	Deaths	Median Age
White	130	66.0	71	72.0	201	67.0
Black	6	58.5	7	68.0	13	64.0
Native American	0	---	1	---	1	---
Asian	2	---	1	---	3	---
Hispanic	4	---	3	---	7	72.0
Other/Unknown	0	---	0	---	0	---
Total	142	65.5	83	72.0	225	67.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 151. Survival Rates for Lip, Oral Cavity and Pharynx Cancer by Race/Ethnicity, Nevada Residents, 1997-2001



Notes: The survival rate for those racial/ethnic groups not included in this chart could not be calculated due to small cell size.

Figure 152. Survival Rates for Lip, Oral Cavity and Pharynx Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1997-2001

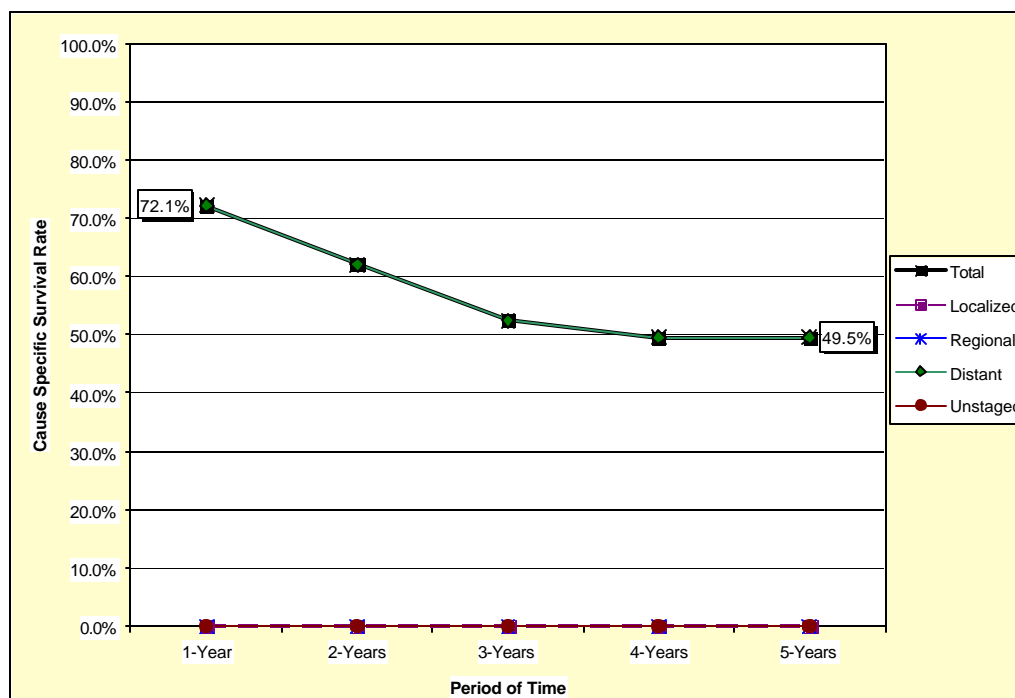


Table 232. Cause-Specific Survival Rates for Lip, Oral Cavity and Pharynx Cancer by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	781	78.6%	65.6%	55.5%	48.8%	48.8%	3.82
Male	545	78.5%	67.0%	56.4%	47.6%	47.6%	3.73
Female	236	78.7%	62.2%	53.5%	53.5%	53.5%	>5 years
Race/Ethnicity							
White	691	78.6%	65.1%	53.7%	47.3%	47.3%	3.58
Male	481	78.6%	67.2%	55.3%	47.1%	47.1%	3.65
Female	210	78.3%	60.3%	49.9%	49.9%	49.9%	2.99
Black	33	---	---	---	---	---	---
Male	21	---	---	---	---	---	---
Female	12	---	---	---	---	---	---
Native American	4	---	---	---	---	---	---
Male	3	---	---	---	---	---	---
Female	1	---	---	---	---	---	---
Asian	11	---	---	---	---	---	---
Male	10	---	---	---	---	---	---
Female	1	---	---	---	---	---	---
Hispanic	30	---	---	---	---	---	---
Male	19	---	---	---	---	---	---
Female	11	---	---	---	---	---	---

Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 233. Cause-Specific Survival Rates for Lip, Oral Cavity and Pharynx Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1997-2001

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	781	545	236
	One Year	78.6%	78.5%	78.7%
	5 Years	48.8%	47.6%	53.5%
	Median Survival	3.82	3.73	>5 years
Stage at Diagnosis				
In situ	Cases	0	0	0
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Localized	Cases	251	164	87
	One Year	86.9%	85.3%	89.8%
	5 Years	64.7%	61.6%	71.3%
	Median Survival	>5 years	>5 years	>5 years
Regional	Cases	300	219	81
	One Year	81.6%	80.2%	85.5%
	5 Years	49.2%	48.2%	54.6%
	Median Survival	3.87	3.77	>5 years
Distant	Cases	72	56	16
	One Year	63.8%	65.2%	---
	5 Years	---	---	---
	Median Survival	2.06	2.23	---
Unstaged	Cases	158	106	52
	One Year	66.4%	72.0%	55.6%
	5 Years	34.5%	38.0%	---
	Median Survival	1.91	2.37	1.23

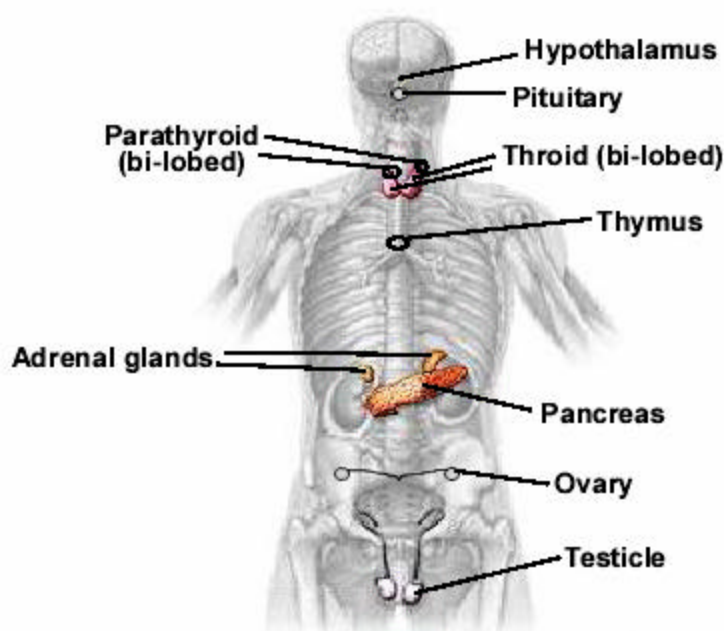
Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

PANCREATIC CANCER

PANCREATIC CANCER

GENERAL PROFILE⁴

Figure 153. Anatomy of the Endocrine System⁵



General Anatomy: The pancreas is a gland located deep in the abdomen between the stomach and the spine (backbone). The pancreas is about 6 inches long and is shaped like a flat pear. The pancreas makes insulin and other hormones that travel throughout the body to help the body use or store the energy that comes from food.

Risk Factors: Age, smoking, diabetes, male gender, Black race/ethnicity, family history of pancreatic cancer, and chronic pancreatitis.

Signs and Symptoms: Pancreatic cancer is sometimes called a "silent disease" because early pancreatic cancer often does not cause symptoms. But, as the cancer grows, symptoms may include: Pain in the upper abdomen or upper back, yellow skin and eyes, and dark urine from jaundice, weakness, loss of appetite, nausea and vomiting, and weight loss.

Diagnosing the Cancer: Physical exam, blood, stool and urine tests (Bilirubin levels), computed tomography (CAT) scan, ultrasonography (transabdominal, endoscopic), endoscopic retrograde cholangiopancreatography (ERCP), percutaneous transhepatic cholangiography (PTC), and fine-needle aspiration.

Treatment: Surgery (Whipple procedure, distal pancreatectomy, total pancreatectomy, bypass), radiation therapy, and chemotherapy.

HIGHLIGHTS

- The ratio of the age-adjusted incidence rate, 10.8, to the age-adjusted mortality rate, 9.8 (per 100,000 – 2000 US Standard population), for Pancreatic Cancer was 1.12 during the 1996 to 2001 period, which means that for every 1.10 Pancreatic Cancer cases there was one death due to this type of cancer in Nevada. Both females and males were similar with ratios of 1.05 and 1.20 during this period.
- The median age at diagnosis of Pancreatic Cancer for Nevada residents was 69 years of age, while the median age for males and females was 67 and 70 years during the 1997 to 2001 period. The median age at time of death due to cancer of the pancreas was 70 years for Nevada overall, 69 years for males and 72 years of age for females.

INCIDENCE

- There were 951 cases of Pancreatic Cancer reported in Nevada from 1997 to 2001. Nevada's age-adjusted incidence rate for Pancreatic Cancer (10.8) was slightly lower than the national rate of 11.0 (per 100,000 – 2001 US Standard population) from 1997 to 2001.
- While regional comparisons showed only slight variations between the age-adjusted incidence rates of Pancreatic Cancer for Clark County (11.0), Washoe County (10.5) and All Other Counties (10.4) from 1997 to 2001, statistical analysis shows no statistically significant difference between the three regions. This was the same for males and females in Nevada who had rates of 12.2 and 9.8 (per 100,000 – 2000 US Standard population), respectively.
- Blacks, as a racial/ethnic group, had the highest statistically significant age-adjusted incidence rate for Pancreatic Cancer, 14.7 (11.0-19.6), of any racial/ethnic group from 1996 to 2001. Whites, Hispanics and Asians followed with rates of 11.1 (10.4-11.9), 9.9 (6.8-14.2) and 4.8 (2.8-10.2) (per 100,000 – 2000 US Standard population), respectively, during this time.

INPATIENT HOSPITAL DISCHARGES

- Billed charges from Pancreatic Cancer inpatient hospital discharges accounted for greater than 29.8 million dollars from 1997 to 2001. Nevadans in the 65-74 and 75-84 age groups accounted for 56.8% of the total inpatient discharges and 54.4% of the total billed charges during this period. The overall daily billed amount for Pancreatic Cancer inpatient hospital discharges was approximately \$4,197 in Nevada during this period.
- There were 741 inpatient hospital discharges for Pancreatic Cancer to residents in Nevada from 1997 to 2001. Washoe County had the highest age-adjusted inpatient discharge rate, 8.9 (7.4-10.6), for Pancreatic Cancer and showed statistical significance over the All Other Counties region's rate of 6.3 (5.0-7.8), which was the lowest age-adjusted inpatient discharge rate of any region in Nevada during the 1997 to 2001 period.

- The median total billed charges in Nevada for inpatient discharges due to cancer of the pancreas were \$24,824 from 1997 to 2001. Washoe and Clark County had the highest median total billed charges, \$43,301 and \$42,844, which were more than double the All Other Counties' median billed amount of \$21,438.

MORTALITY

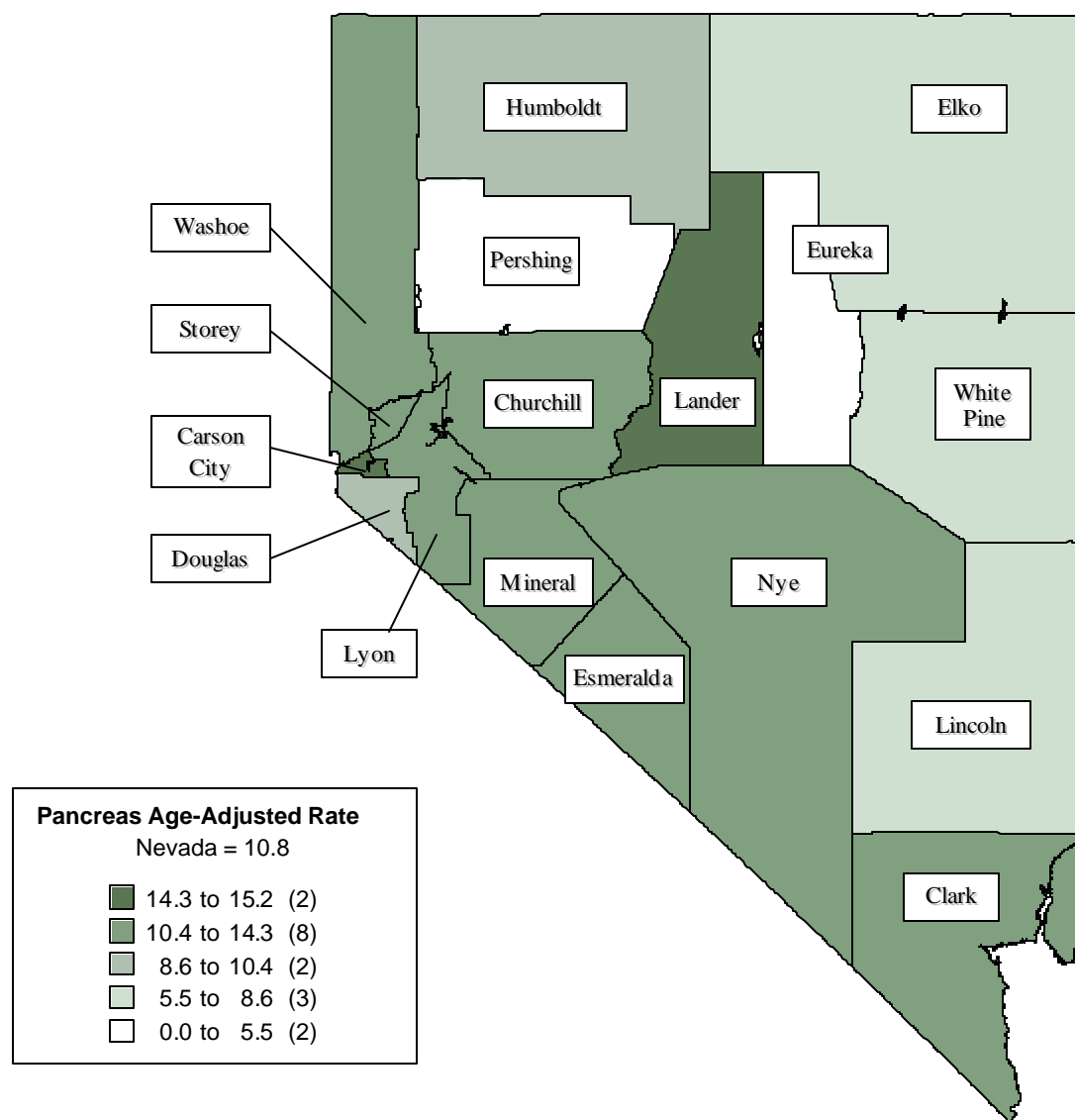
- There were 845 resident Pancreatic Cancer deaths from 1997 to 2001. Regional comparisons were fairly similar between All Other Counties, Clark County and Washoe County with rates of 10.2, 9.9 and 8.9 (per 100,000 – 2000 US Standard population), respectively.
- Blacks, as a racial/ethnic group, had the highest age-adjusted Pancreatic Cancer mortality rate, (12.3); followed by Whites (10.0), Hispanics (9.0), and Asians (4.8) (per 100,000 – 2000 US Standard population). However, statistical analysis does not show any statistical significance between any of the racial/ethnic groups.

SURVIVAL RATE

- While the one-year survival rate for Nevada females with Pancreatic Cancer (38.3%) was slightly higher than the rate for males (37.4%) during the 1997 to 2001 period, the five-year survival rate decreased to 15.9% for females and 13.4% for males from 1997 to 2001.
- The one-year survival rate for those diagnosed with Pancreatic Cancer at the localized stage was 36.1%, while those diagnosed at the regional, distant and unstaged stages had rates of 43.8%, 36.8 % and 30.3%, respectively, during the 1996 to 2001 period.
- From 1997 to 2001, the median survival time for Pancreatic Cancer diagnosed at the localized stage was 0.81 years, while those diagnosed at the regional, distant and unstaged levels had median survival times of 0.98, 0.82 and 0.67 years, respectively.

INCIDENCE

Figure 154. Pancreatic Cancer Age-Adjusted (2001) Incidence Rates, Nevada Residents, 1997-2001



Note: Rates are per 100,000 population and age-adjusted to 2001 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 155. Pancreatic Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1997-2001

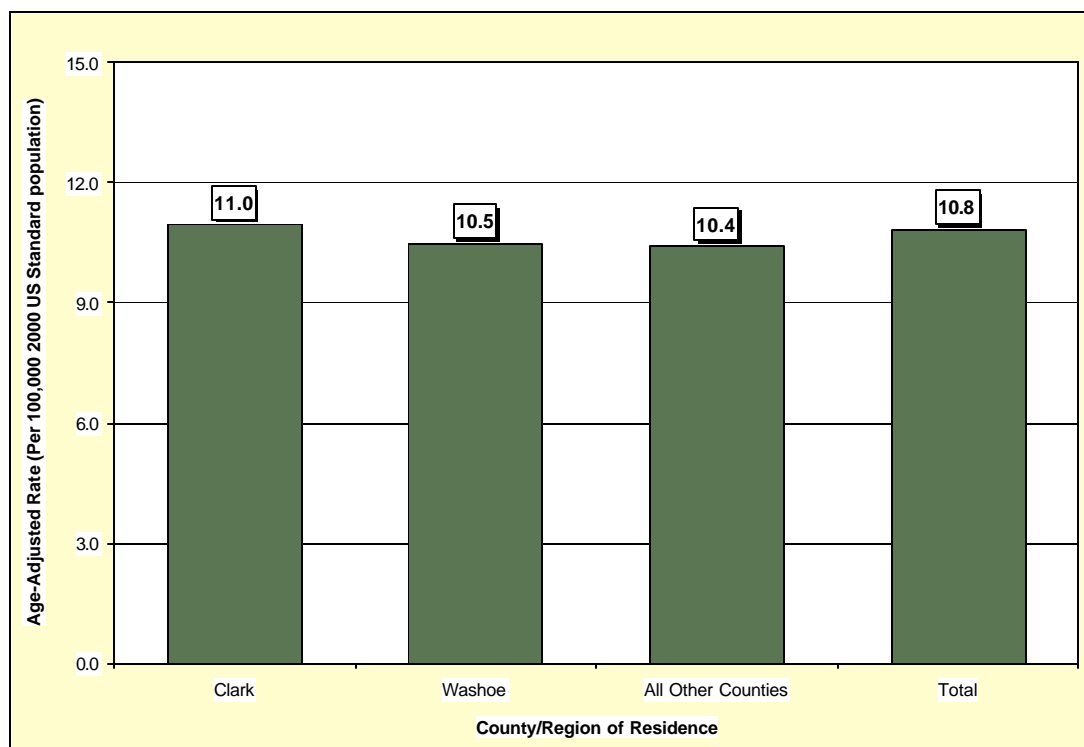


Figure 156. Pancreatic Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1997-2001

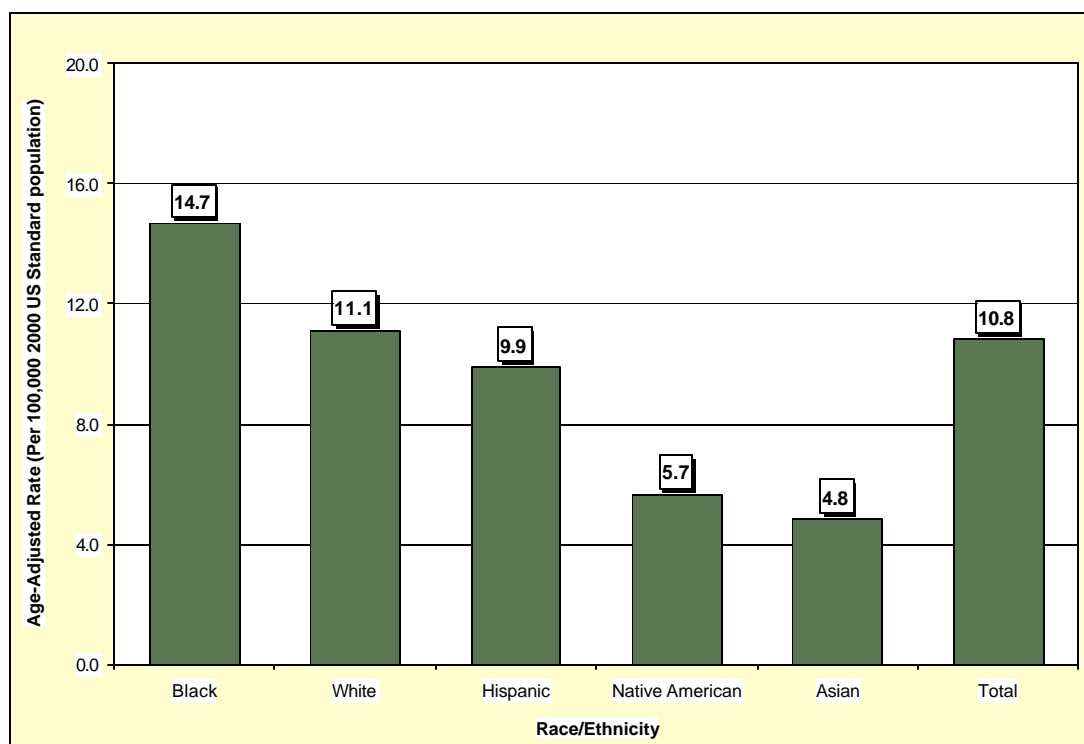


Table 234. Pancreatic Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1997-2001)
Total						
Cases	951	644	154	150	3	18,790
Rate*	10.8	11.0	10.5	10.4	---	11.0
95% C.I.	(10.1-11.6)	(10.1-11.9)	(8.9-12.3)	(8.8-12.3)	---	(10.8-11.2)
Gender						
Male	502	348	75	78	1	9,214
Rate*	12.2	12.6	11.1	11.6	---	12.6
95% C.I.	(11.1-13.4)	(11.2-14.2)	(8.6-14.3)	(9.0-14.8)	---	(12.3-12.8)
Female	449	296	79	72	2	9,576
Rate*	9.8	9.6	10.0	9.6	---	9.7
95% C.I.	(8.9-10.7)	(8.6-10.8)	(7.9-12.6)	(7.5-12.1)	---	(9.5-9.9)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	817	541	134	140	2	14,999
Rate*	11.1	11.4	10.4	10.5	---	10.8
95% C.I.	(10.4-11.9)	(10.5-12.5)	(8.7-12.4)	(8.8-12.5)	---	(10.6-11.0)
Black	61	49	11	1	0	2,116
Rate*	14.7	12.8	47.3	---	---	15.4
95% C.I.	(11.0-19.6)	(9.3-17.7)	(23.0-88.9)	---	---	(14.7-16.1)
Native American	5	2	2	1	0	121
Rate*	---	---	---	---	---	8.3
95% C.I.	---	---	---	---	---	(6.8-6.8)
Asian	18	13	2	2	1	1,524
Rate*	4.8	4.4	---	---	---	9.3
95% C.I.	(2.8-10.2)	(2.2-11.1)	---	---	---	(8.9-9.8)
Hispanic	47	36	5	6	0	1,470
Rate*	9.9	9.4	---	---	---	9.7
95% C.I.	(6.8-14.2)	(6.1-14.5)	---	---	---	(9.2-10.2)
Other/Unknown	3	3	0	0	0	30

* Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Note: The "—" is used for rates calculated on numbers less than ten and SEER numbers less than five. Caution should be used when comparing rates for racial/ethnic groups to the National (SEER) rates. See Technical Notes for more information.

Table 235. Pancreatic Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1997-2001)
Total						
Cases	951	644	154	150	3	18,790
Rate*	9.8	9.7	9.2	10.7	---	10.1
95% C.I.	(9.1-10.4)	(8.9-10.4)	(7.7-10.6)	(9.0-12.5)	---	(10.0-10.3)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	1	0	1	0	0	6
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
15-24	3	3	0	0	0	22
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.0-0.1)
25-34	4	2	1	1	0	73
Rate*	---	---	---	---	---	0.2
95% C.I.	---	---	---	---	---	(0.2-0.3)
35-44	23	16	5	2	0	513
Rate*	1.5	1.5	---	---	---	1.6
95% C.I.	(0.9-2.1)	(0.8-2.3)	---	---	---	(1.5-1.8)
45-54	102	68	19	15	0	1,826
Rate*	7.9	8.0	8.0	7.5	---	8.0
95% C.I.	(6.4-9.5)	(6.1-9.9)	(4.4-11.6)	(3.7-11.3)	---	(7.6-8.3)
55-64	210	148	33	29	0	3,199
Rate*	22.9	23.8	22.0	20.1	---	22.8
95% C.I.	(19.8-26.0)	(20.0-27.6)	(14.5-29.5)	(12.8-27.4)	---	(22.1-23.6)
65-74	304	208	42	53	1	5,314
Rate*	47.3	48.1	41.0	49.4	---	46.1
95% C.I.	(42.0-52.7)	(41.6-54.6)	(28.6-53.4)	(36.1-62.7)	---	(44.8-47.3)
75-84	246	165	41	38	2	5,567
Rate*	70.0	70.6	70.9	63.4	---	76.6
95% C.I.	(61.3-78.8)	(59.9-81.4)	(49.2-92.6)	(43.3-83.6)	---	(74.6-78.6)
85+	58	34	12	12	0	2,270
Rate*	76.1	72.8	77.4	85.5	---	91.5
95% C.I.	(56.5-95.7)	(48.3-97.3)	(33.6-121.2)	(37.1-133.9)	---	(87.8-95.3)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 236. Pancreatic Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1997-2001

County of Residence at Diagnosis	1997-2001 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	42	16.9	(11.8-22.0)	14.4	(10.3-19.6)
Churchill	12	9.9	(4.3-15.6)	11.4	(5.8-20.4)
Clark	644	9.7	(8.9-10.4)	11.0	(10.1-11.9)
Douglas	21	10.2	(5.9-14.6)	9.3	(5.6-15.1)
Elko	7	---	---	---	---
Esmeralda	1	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	5	---	---	---	---
Lander	3	---	---	---	---
Lincoln	1	---	---	---	---
Lyon	21	12.3	(7.1-17.6)	11.0	(6.7-17.4)
Mineral	4	---	---	---	---
Nye	27	17.2	(10.7-23.7)	12.2	(7.9-19.1)
Pershing	0	---	---	---	---
Storey	3	---	---	---	---
Washoe	154	9.2	(7.7-10.6)	10.5	(8.9-12.3)
White Pine	3	---	---	---	---
Unknown	3	---	---	---	---
Total	951	9.8	(9.1-10.4)	10.8	(10.1-11.6)

Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 237. Pancreatic Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity		Gender			
		Male	Female	Other/Unknown	Total
White	Incidence	431	386	0	817
	Rate*	12.4	10.0	---	11.1
	95% C.I.	(11.2-13.7)	(9.0-11.1)	---	(10.4-11.9)
Black	Incidence	31	30	0	61
	Rate*	13.8	14.5	---	14.7
	95% C.I.	(9.3-22.5)	(9.6-21.3)	---	(11.0-19.6)
Native American	Incidence	2	3	0	5
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	8	10	0	18
	Rate*	---	4.6	---	4.8
	95% C.I.	---	(2.0-13.6)	---	(2.8-10.2)
Hispanic	Incidence	29	18	0	47
	Rate*	15.0	6.9	---	9.9
	95% C.I.	(8.5-25.4)	(3.8-11.9)	---	(6.8-14.2)
Other/Unknown		1	2	0	3
Total	Incidence	502	449	0	951
	Rate*	12.2	9.8	---	10.8
	95% C.I.	(11.1-13.4)	(8.9-10.7)	---	(10.1-11.6)

Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 238. Pancreatic Cancer Cases by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender			
	Male	Female	Other/ Unknown	Total
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	1	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	2	1	0	3
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	1	3	0	4
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	14	9	0	23
Rate*	1.7	---	---	1.5
95% C.I.	(0.8-2.6)	---	---	(0.9-2.1)
45-54	66	36	0	102
Rate*	10.2	5.7	---	7.9
95% C.I.	(7.7-12.6)	(3.8-7.5)	---	(6.4-9.5)
55-64	113	97	0	210
Rate*	24.8	21.0	---	22.9
95% C.I.	(20.3-29.4)	(16.8-25.2)	---	(19.8-26.0)
65-74	177	127	0	304
Rate*	55.8	39.0	---	47.3
95% C.I.	(47.6-64.1)	(32.3-45.8)	---	(42.0-52.7)
75-84	101	145	0	246
Rate*	63.7	75.2	---	70.0
95% C.I.	(51.3-76.1)	(63.0-87.5)	---	(61.3-78.8)
85+	28	30	0	58
Rate*	113.1	58.3	---	76.1
95% C.I.	(71.2-155.1)	(37.4-79.1)	---	(56.5-95.7)
Unknown	0	0	0	0
Total	502	449	0	951
Rate*	10.1	9.4	---	9.8
95% C.I.	(9.3-11.0)	(8.5-10.2)	---	(9.1-10.4)

* Rates are per 100,000 age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten.

Table 239. Pancreatic Cancer Cases by Age Group and Stage, Nevada Residents, 1997-2001

Age Group		Stage					
		In situ	Localized	Regional	Distant	Unstaged	Total
<1	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
1-4	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
5-14	Number	0	0	1	0	0	1
	Percent	---	---	100.0%	---	---	100.0%
15-24	Number	0	1	1	1	0	3
	Percent	---	33.3%	33.3%	33.3%	---	100.0%
25-34	Number	0	0	2	0	2	4
	Percent	---	---	50.0%	---	50.0%	100.0%
35-44	Number	0	1	7	9	6	23
	Percent	---	4.3%	30.4%	39.1%	26.1%	100.0%
45-54	Number	0	6	33	35	28	102
	Percent	---	5.9%	32.4%	34.3%	27.5%	100.0%
55-64	Number	0	10	61	74	65	210
	Percent	---	4.8%	29.0%	35.2%	31.0%	100.0%
65-74	Number	0	25	86	88	105	304
	Percent	---	8.2%	28.3%	28.9%	34.5%	100.0%
75-84	Number	0	18	39	73	116	246
	Percent	---	7.3%	15.9%	29.7%	47.2%	100.0%
85+	Number	0	8	10	10	30	58
	Percent	---	13.8%	17.2%	17.2%	51.7%	100.0%
Unknown	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
Total	Number	0	69	240	290	352	951
	Percent	---	7.3%	25.2%	30.5%	37.0%	100.0%

Table 240. Pancreatic Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1997-2001

Stage		Race/Ethnicity					
		White	Black	Native American	Asian	Hispanic	Other/Unknown
In situ	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
Localized	Number	64	3	0	1	1	0
	Percent	7.8%	4.9%	---	5.6%	2.1%	---
Regional	Number	203	16	2	6	13	0
	Percent	24.8%	26.2%	40.0%	33.3%	27.7%	---
Distant	Number	247	20	0	4	18	1
	Percent	30.2%	32.8%	---	22.2%	38.3%	33.3%
Unstaged	Number	303	22	3	7	15	2
	Percent	37.1%	36.1%	60.0%	38.9%	31.9%	66.7%
Total	Number	817	61	5	18	47	3
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

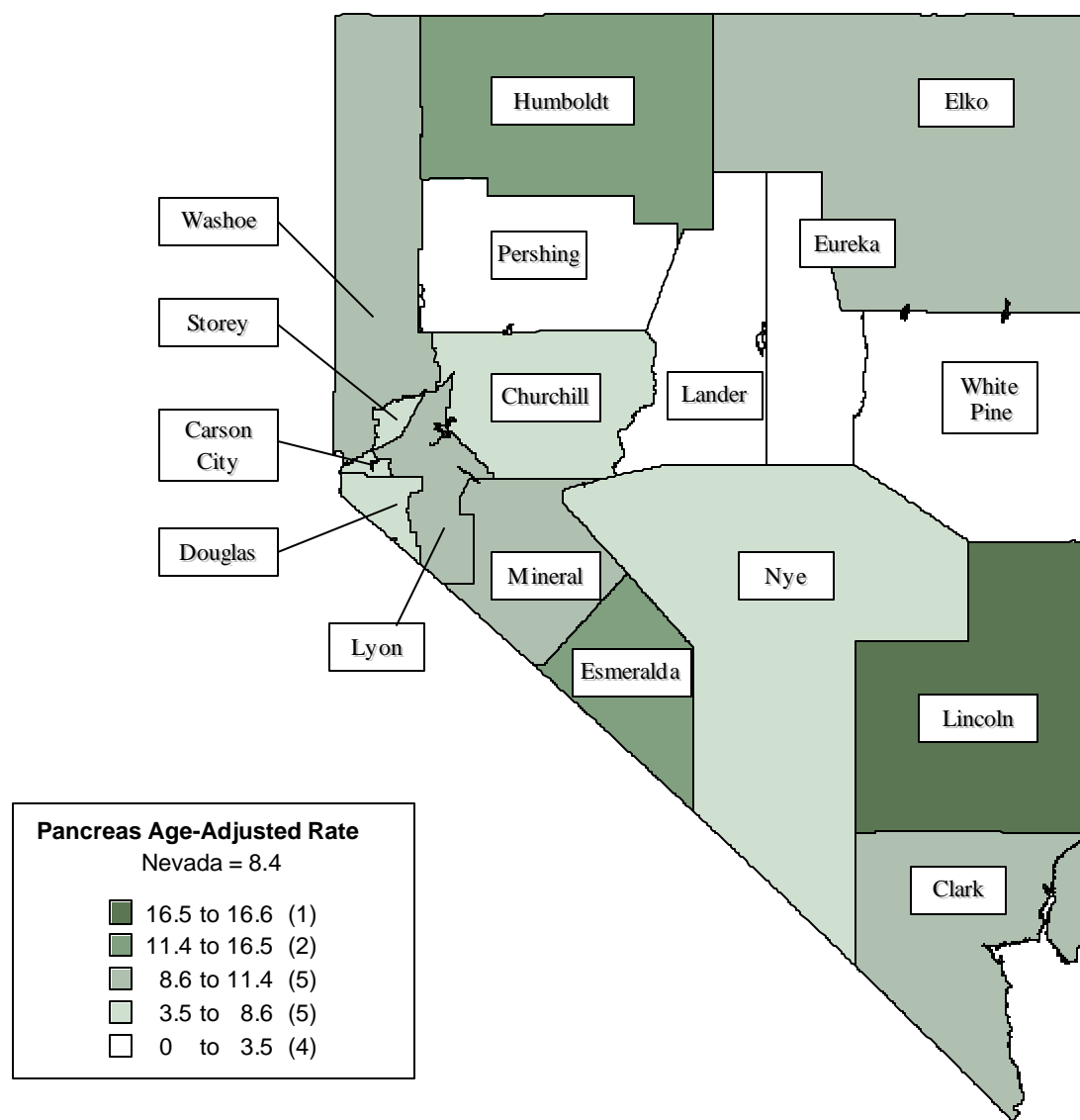
Table 241. Median Age at Diagnosis of Pancreatic Cancer by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity	Gender					
	Male		Female		Total	
	Incidence	Median Age	Incidence	Median Age	Incidence	Median Age
White	431	68.0	386	70.5	817	69.0
Black	31	67.0	30	69.5	61	67.0
Native American	2	---	3	---	5	67.0
Asian	8	65.0	10	73.0	18	69.0
Hispanic	29	66.0	18	70.0	47	66.0
Other/Unknown	1	---	2	---	3	---
Total	502	67.0	449	70.0	951	69.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

**Figure 157. Pancreatic Cancer Age-Adjusted (2001) Inpatient Discharge Rates,
Nevada Residents, 1997-2001**



Note: Rates are per 100,000 population and age-adjusted to 2001 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical notes for more information.

Figure 158. Pancreatic Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1997-2001

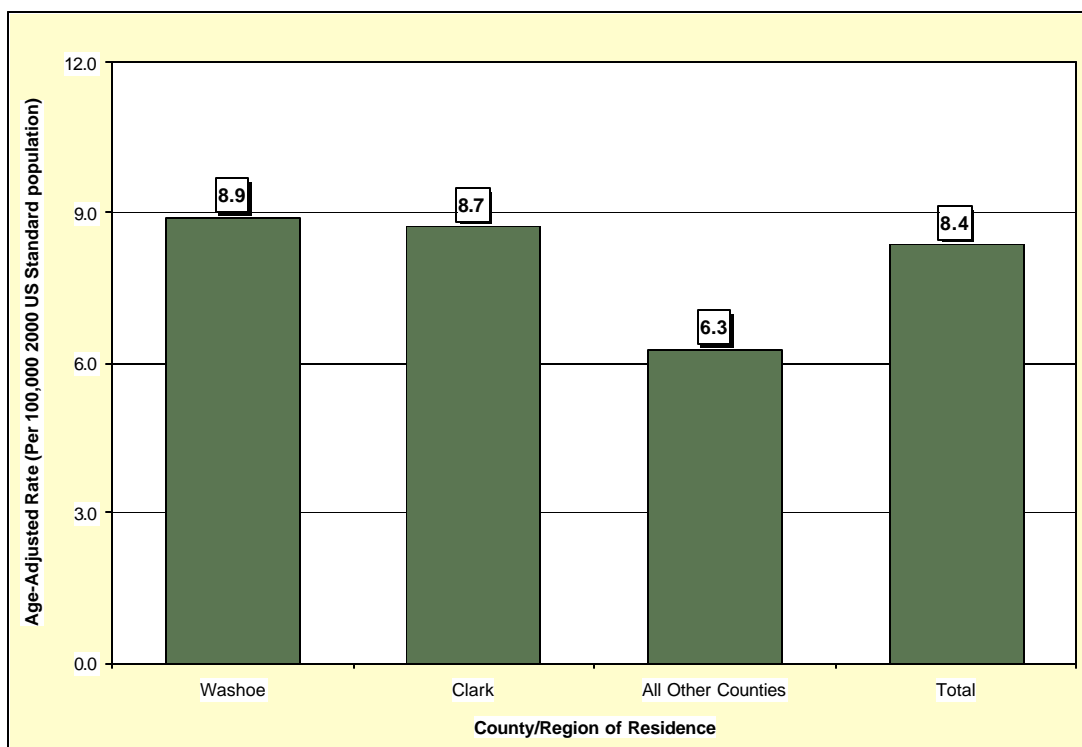


Figure 159. Median Charges for Pancreatic Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

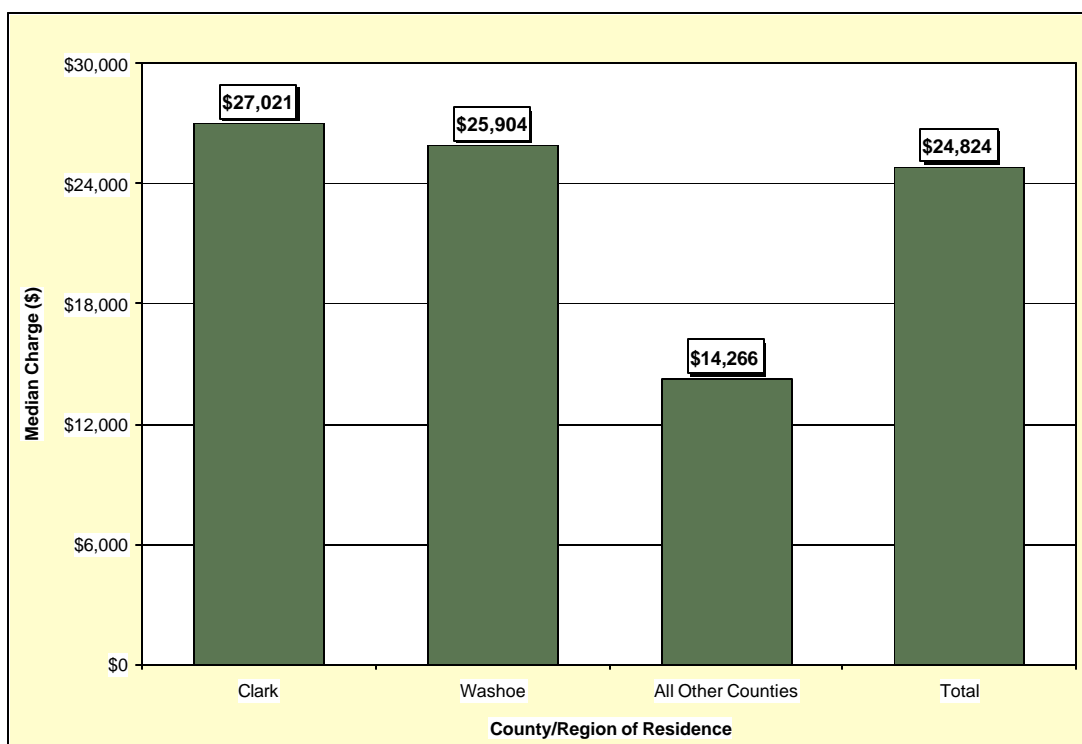


Figure 160. Average Length of Stay for Pancreatic Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

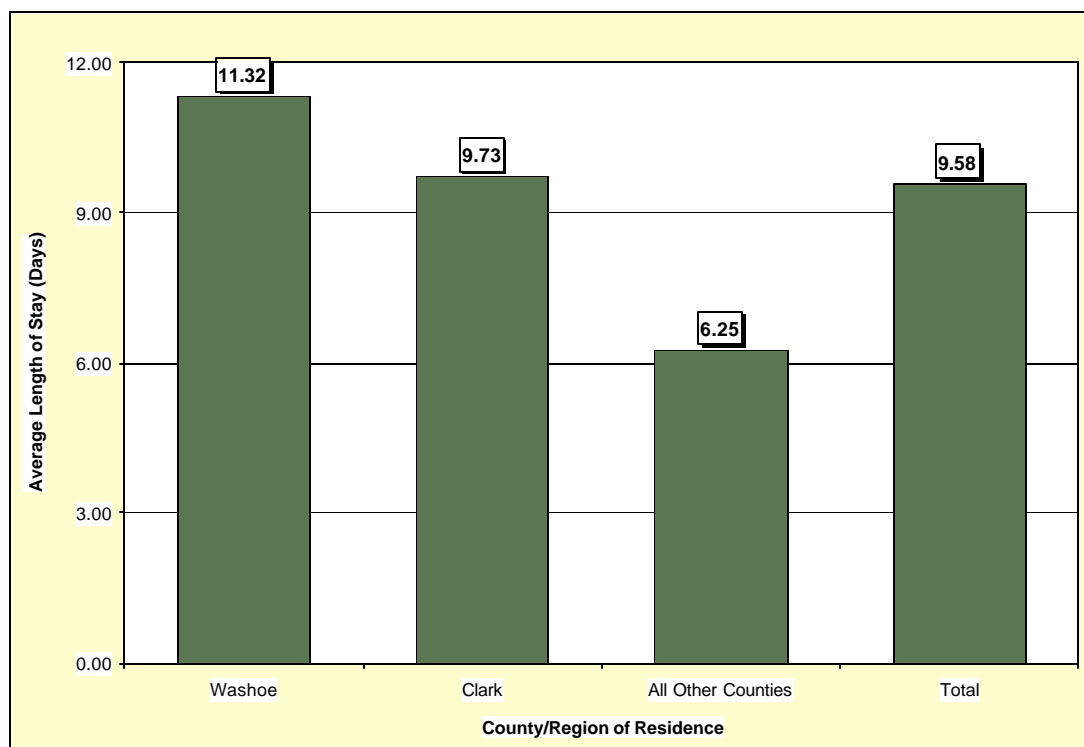


Table 242. Pancreatic Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	741	518	132	91	0
Rate*	8.4	8.7	8.9	6.3	---
95% C.I.	(7.8-9.0)	(8.0-9.5)	(7.4-10.6)	(5.0-7.8)	---
Gender					
Male	390	279	57	54	0
Rate*	9.2	9.8	8.0	7.9	---
95% C.I.	(8.2-10.3)	(8.6-11.3)	(6.0-10.7)	(5.8-10.8)	---
Female	351	239	75	37	0
Rate*	7.6	7.8	9.5	4.9	---
95% C.I.	(6.8-8.5)	(6.8-8.8)	(7.5-12.0)	(3.4-6.8)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$29,859,856	\$22,193,207	\$5,715,771	\$1,950,878	---
Average Charges	\$40,297	\$42,844	\$43,301	\$21,438	---
Median Charges	\$24,824	\$27,021	\$25,904	\$14,266	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	7,101	5,038	1,494	569	---
Average LOS	9.6	9.7	11.3	6.3	---
Median LOS	7.0	7.0	9.5	5.0	---

* Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 243. Pancreatic Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	741	518	132	91	0
Rate*	7.6	7.8	7.9	6.5	---
95% C.I.	(7.1-8.2)	(7.1-8.4)	(6.5-9.2)	(5.2-7.8)	---
Age Group					
<1	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
1-4	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
5-14	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
15-24	4	4	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
25-34	5	3	2	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
35-44	17	11	5	1	0
Rate*	1.1	1.1	---	---	---
95% C.I.	(0.6-1.6)	(0.4-1.7)	---	---	---
45-54	85	64	13	8	0
Rate*	6.6	7.6	5.5	---	---
95% C.I.	(5.2-8.0)	(5.7-9.4)	(2.5-8.5)	---	---
55-64	166	112	30	24	0
Rate*	18.1	18.0	20.0	16.0	---
95% C.I.	(15.4-20.9)	(14.7-21.4)	(12.8-27.1)	(9.6-22.4)	---
65-74	254	181	42	31	0
Rate*	39.5	41.8	41.0	30.2	---
95% C.I.	(34.7-44.4)	(35.8-47.9)	(28.6-53.4)	(19.6-40.9)	---
75-84	167	118	30	19	0
Rate*	47.5	50.5	51.9	32.9	---
95% C.I.	(40.3-54.8)	(41.4-59.6)	(33.3-70.4)	(18.1-47.6)	---
85+	43	25	10	8	0
Rate*	56.4	53.5	64.5	---	---
95% C.I.	(39.5-73.3)	(32.6-74.5)	(24.5-104.4)	---	---
Unknown	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The “---” is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 244. Pancreatic Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	3	1	4
Rate*	---	---	---
95% C.I.	---	---	---
25-34	3	2	5
Rate*	---	---	---
95% C.I.	---	---	---
35-44	9	8	17
Rate*	---	---	1.1
95% C.I.	---	---	(0.6-1.6)
45-54	57	28	85
Rate*	8.8	4.4	6.6
95% C.I.	(6.5-11.0)	(2.8-6.1)	(5.2-8.0)
55-64	92	74	166
Rate*	20.2	16.0	18.1
95% C.I.	(16.1-24.4)	(12.4-19.7)	(15.4-20.9)
65-74	145	109	254
Rate*	45.7	33.5	39.5
95% C.I.	(38.3-53.2)	(27.2-39.8)	(34.7-44.4)
75-84	62	105	167
Rate*	39.1	54.5	47.5
95% C.I.	(29.4-48.8)	(44.1-64.9)	(40.3-54.8)
85+	19	24	43
Rate*	76.8	46.6	56.4
95% C.I.	(42.3-111.3)	(28.0-65.3)	(39.5-73.3)
Unknown	0	0	0
Total	390	351	741
Rate*	7.9	7.3	7.6
95% C.I.	(7.1-8.7)	(6.6-8.1)	(7.1-8.2)

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 245. Pancreatic Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

County of Residence	1997-2001 Inpatient Hospital Discharges				
	Number	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	11	4.4	(1.8-7.0)	3.6	(1.8-6.7)
Churchill	7	---	---	---	---
Clark	518	7.8	(7.1-8.4)	8.7	(8.0-9.5)
Douglas	14	6.8	(3.3-10.4)	6.1	(3.2-11.3)
Elko	9	---	---	---	---
Esmeralda	1	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	8	---	---	---	---
Lander	0	---	---	---	---
Lincoln	3	---	---	---	---
Lyon	16	9.4	(4.8-14.0)	8.7	(4.9-14.7)
Mineral	3	---	---	---	---
Nye	17	10.8	(5.7-16.0)	7.3	(4.2-13.1)
Pershing	0	---	---	---	---
Storey	1	---	---	---	---
Washoe	132	7.9	(6.5-9.2)	8.9	(7.4-10.6)
White Pine	1	---	---	---	---
Unknown	0	---	---	---	---
Total	741	7.6	(7.1-8.2)	8.4	(7.8-9.0)

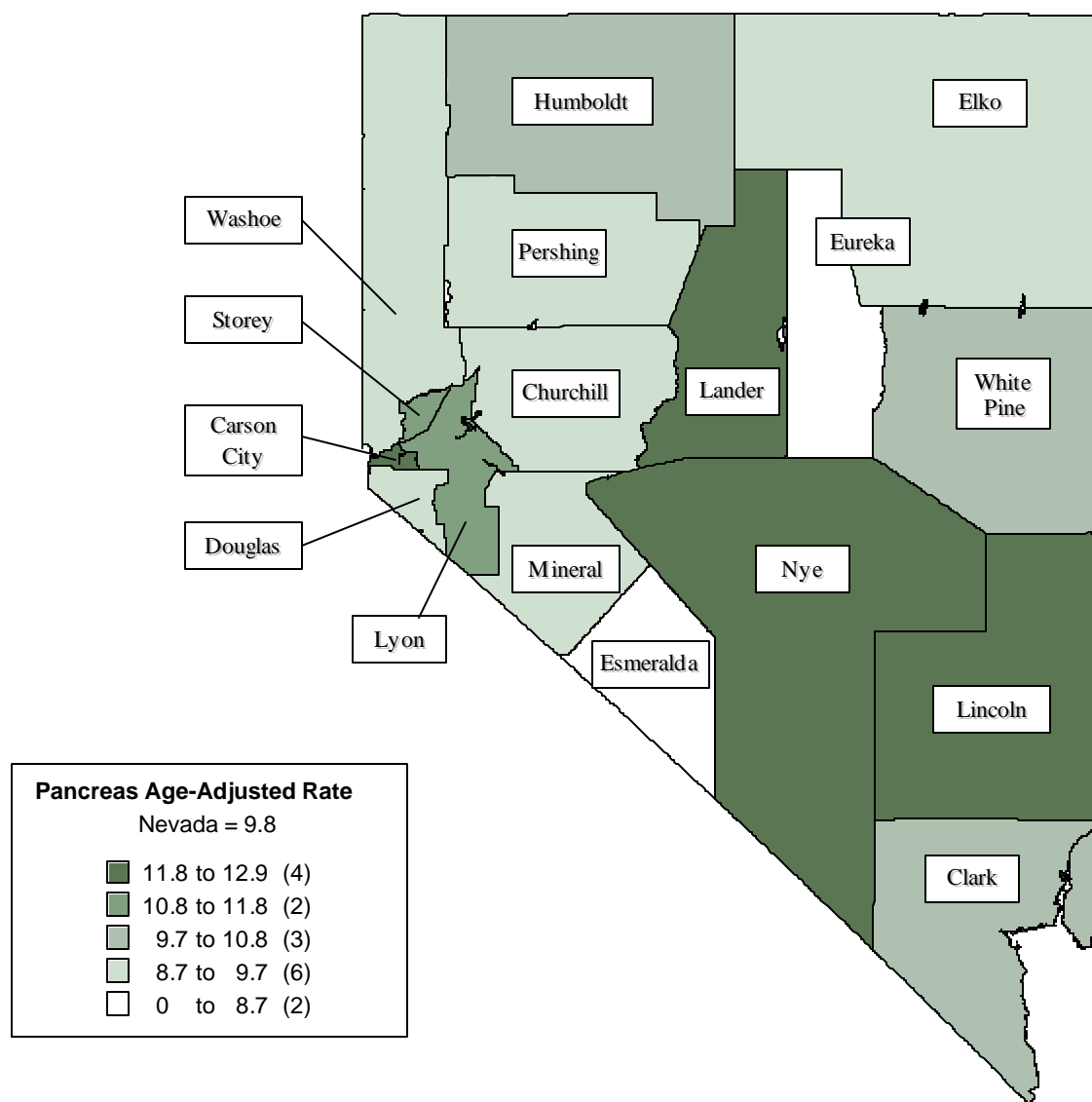
Note: The "—" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 246. Pancreatic Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1997-2001

Age Group	Discharges	Charges (\$)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	0	---	---	---	---	---	---
1-4	0	---	---	---	---	---	---
5-14	0	---	---	---	---	---	---
15-24	4	---	---	---	---	---	---
25-34	5	212,989	42,598	17,232	53	10.6	7.0
35-44	17	1,370,490	80,617	43,760	237	13.9	8.0
45-54	85	3,337,046	39,259	26,167	789	9.3	7.0
55-64	166	7,258,277	43,725	27,733	1,707	10.3	7.0
65-74	254	10,385,416	40,887	23,996	2,394	9.4	7.0
75-84	167	5,877,206	35,193	23,432	1,526	9.1	7.0
85+	43	1,111,018	25,838	16,374	316	7.3	6.0
Unknown	0	---	---	---	---	---	---
Total	741	515,178	708	37,747	92	708.0	9.4

MORTALITY

Figure 161. Pancreatic Cancer Age-Adjusted (2001) Mortality Rates, Nevada Residents, 1997-2001



Note: Rates are per 100,000 population and age-adjusted to 2001 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 162. Pancreatic Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1997-2001

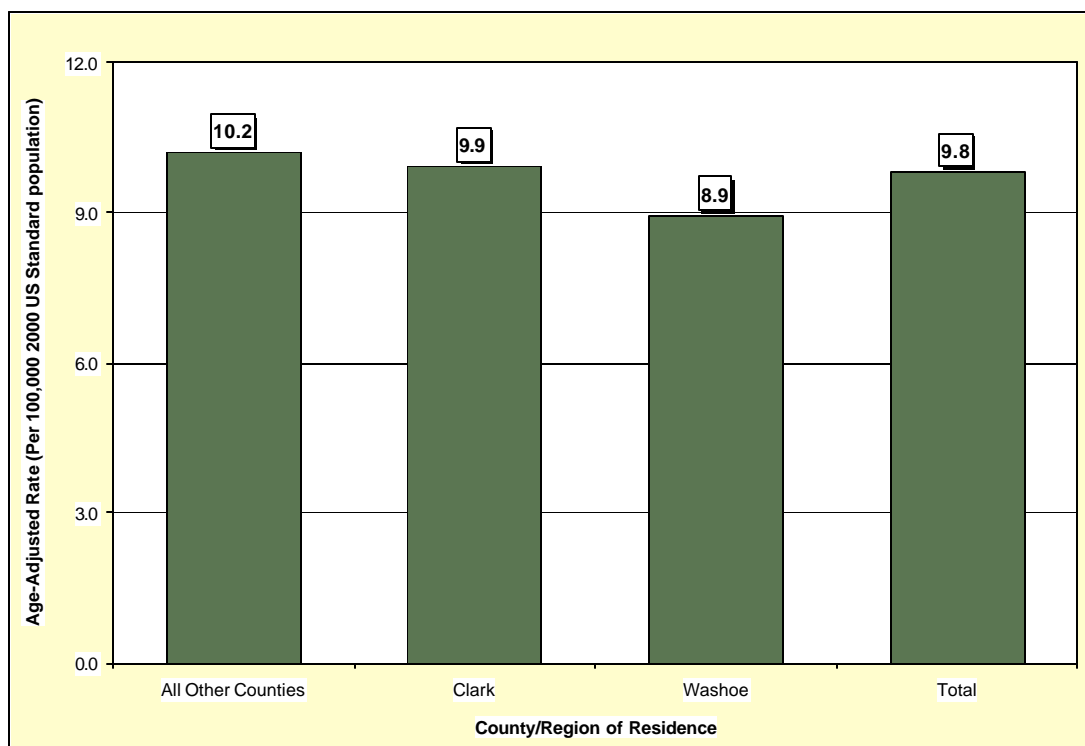


Figure 163. Pancreatic Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1997-2001

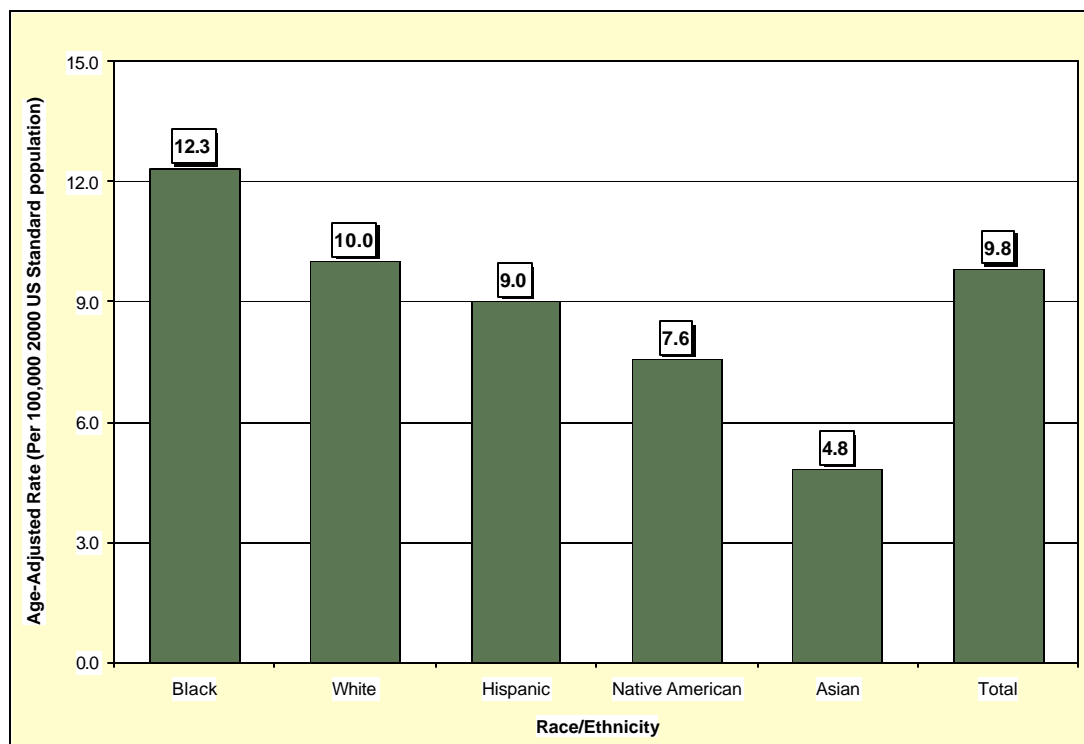


Table 247. Pancreatic Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	845	572	127	146
Rate*	9.8	9.9	8.9	10.2
95% C.I.	(9.1-10.5)	(9.1-10.8)	(7.4-10.7)	(8.6-12.1)
Gender				
Male	419	283	58	78
Rate*	10.5	10.6	8.8	11.7
95% C.I.	(9.4-11.7)	(9.3-12.2)	(6.6-11.7)	(9.1-15.0)
Female	426	289	69	68
Rate*	9.3	9.5	8.9	9.1
95% C.I.	(8.5-10.3)	(8.4-10.7)	(6.9-11.3)	(7.0-11.6)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	726	474	116	136
Rate*	10.0	10.1	9.2	10.3
95% C.I.	(9.3-10.8)	(9.2-11.1)	(7.6-11.1)	(8.6-12.2)
Black	50	47	2	1
Rate*	12.3	12.6	---	---
95% C.I.	(8.9-17.0)	(9.0-17.6)	---	---
Native American	7	2	2	3
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	17	15	0	2
Rate*	4.8	5.3	---	---
95% C.I.	(2.7-10.2)	(2.9-12.3)	---	---
Hispanic	42	31	7	4
Rate*	9.0	8.4	---	---
95% C.I.	(6.0-13.2)	(5.2-13.3)	---	---
Other/Unknown	3	3	0	0

*Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Note: The "—" is used for rates calculated on numbers less than ten.

Table 248. Pancreatic Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	845	572	127	146
Rate*	8.7	8.6	7.6	10.4
95% C.I.	(8.1-9.3)	(7.9-9.3)	(6.3-8.9)	(8.8-12.1)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	4	2	1	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	11	8	3	0
Rate*	0.7	---	---	---
95% C.I.	(0.3-1.1)	---	---	---
45-54	77	57	10	10
Rate*	6.0	6.7	4.2	5.0
95% C.I.	(4.7-7.3)	(5.0-8.5)	(1.6-6.9)	(1.9-8.1)
55-64	169	121	22	26
Rate*	18.4	19.5	14.7	18.0
95% C.I.	(15.7-21.2)	(16.0-22.9)	(8.5-20.8)	(11.1-24.9)
65-74	281	189	38	54
Rate*	43.8	43.7	37.1	50.4
95% C.I.	(38.6-48.9)	(37.5-49.9)	(25.3-48.9)	(36.9-63.8)
75-84	237	155	39	43
Rate*	67.5	66.4	67.4	71.8
95% C.I.	(58.9-76.1)	(55.9-76.8)	(46.3-88.6)	(50.3-93.2)
85+	65	39	14	12
Rate*	85.3	83.5	90.3	85.5
95% C.I.	(64.5-106.0)	(57.3-109.7)	(43.0-137.6)	(37.1-133.9)
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten.

Table 249. Pancreatic Cancer Mortality by County of Residence, Nevada Residents, 1997-2001

County of Residence	1997-2001 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	35	14.1	(9.4-18.7)	11.8	(8.2-16.6)
Churchill	10	8.3	(3.2-13.4)	8.8	(4.2-16.8)
Clark	572	8.6	(7.9-9.3)	9.9	(9.1-10.8)
Douglas	22	10.7	(6.2-15.2)	9.3	(5.7-14.9)
Elko	9	---	---	---	---
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	5	---	---	---	---
Lander	2	---	---	---	---
Lincoln	3	---	---	---	---
Lyon	20	11.8	(6.6-16.9)	10.8	(6.5-17.4)
Mineral	3	---	---	---	---
Nye	27	17.2	(10.7-23.7)	11.9	(7.7-18.7)
Pershing	2	---	---	---	---
Storey	3	---	---	---	---
Washoe	127	7.6	(6.3-8.9)	8.9	(7.4-10.7)
White Pine	5	---	---	---	---
Unknown	0	---	---	---	---
Total	845	8.7	(8.1-9.3)	9.8	(9.1-10.5)

Note: The "----" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 250. Pancreatic Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity		Gender		
		Male	Female	Total
White	Mortality	363	363	726
	Rate*	10.7	9.5	10.0
	95% C.I.	(9.5-12.0)	(8.5-10.5)	(9.3-10.8)
Black	Mortality	24	26	50
	Rate*	11.0	12.6	12.3
	95% C.I.	(6.9-19.3)	(8.1-19.2)	(8.9-17.0)
Native American	Mortality	5	2	7
	Rate*	---	---	---
	95% C.I.	---	---	---
Asian	Mortality	4	13	17
	Rate*	---	6.8	4.8
	95% C.I.	---	(3.4-16.2)	(2.7-10.2)
Hispanic	Mortality	22	20	42
	Rate*	12.6	7.3	9.0
	95% C.I.	(6.5-22.9)	(4.2-12.3)	(6.0-13.2)
Other/Unknown		1	2	3
Total	Mortality	419	426	845
	Rate*	10.5	9.3	9.8
	95% C.I.	(9.4-11.7)	(8.5-10.3)	(9.1-10.5)

Note: The "----" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 251. Pancreatic Cancer Mortality by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	1	0	1
Rate*	---	---	---
95% C.I.	---	---	---
25-34	1	3	4
Rate*	---	---	---
95% C.I.	---	---	---
35-44	3	8	11
Rate*	---	---	0.7
95% C.I.	---	---	(0.3-1.1)
45-54	49	28	77
Rate*	7.5	4.4	6.0
95% C.I.	(5.4-9.6)	(2.8-6.1)	(4.7-7.3)
55-64	87	82	169
Rate*	19.1	17.8	18.4
95% C.I.	(15.1-23.1)	(13.9-21.6)	(15.7-21.2)
65-74	156	125	281
Rate*	49.2	38.4	43.8
95% C.I.	(41.5-56.9)	(31.7-45.2)	(38.6-48.9)
75-84	93	144	237
Rate*	58.7	74.7	67.5
95% C.I.	(46.7-70.6)	(62.5-86.9)	(58.9-76.1)
85+	29	36	65
Rate*	117.2	69.9	85.3
95% C.I.	(74.5-159.8)	(47.1-92.8)	(64.5-106.0)
Unknown	0	0	0
Total	419	426	845
Rate*	8.5	8.9	8.7
95% C.I.	(7.7-9.3)	(8.1-9.7)	(8.1-9.3)

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten.

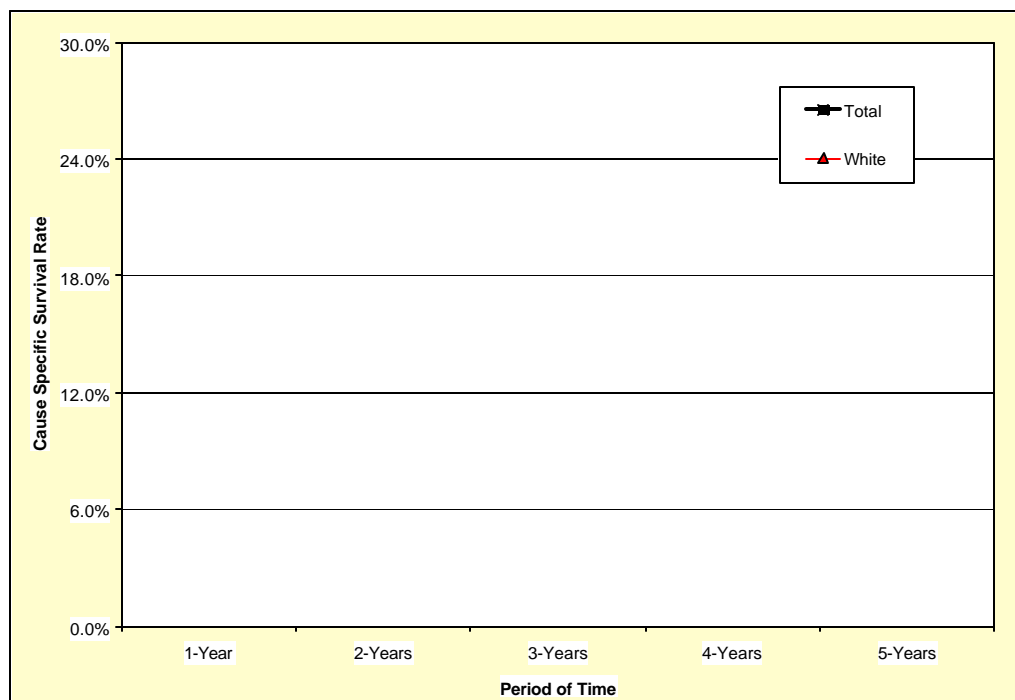
Table 252. Median Age at Death from Pancreatic Cancer by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity	Gender					
	Male		Female		Total	
	Deaths	Median Age	Deaths	Median Age	Deaths	Median Age
White	363	70.0	363	72.0	726	71.0
Black	24	67.0	26	69.5	50	68.0
Native American	5	68.0	2	---	7	68.0
Asian	4	---	13	68.0	17	68.0
Hispanic	22	65.5	20	70.5	42	68.0
Other/Unknown	1	---	2	---	3	---
Total	419	69.0	426	72.0	845	70.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 164. Survival Rates for Pancreatic Cancer by Race/Ethnicity, Nevada Residents, 1997-2001



Notes: The survival rate for those racial/ethnic groups not included in this chart could not be calculated due to small cell size.

Figure 165. Survival Rates for Pancreatic Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1997-2001

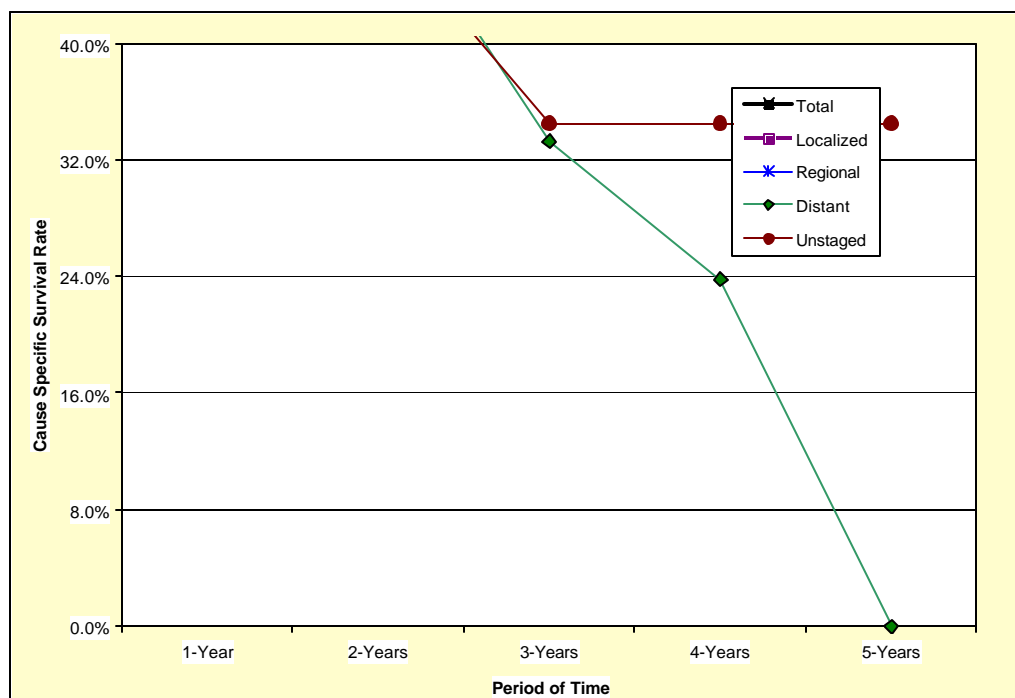


Table 253. Cause-Specific Survival Rates for Pancreatic Cancer by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	632	37.8%	21.9%	14.6%	14.6%	14.6%	0.80
Male	359	37.4%	21.6%	13.4%	13.4%	13.4%	0.80
Female	273	38.3%	22.3%	15.9%	15.9%	15.9%	0.81
Race/Ethnicity							
White	545	37.0%	21.3%	13.4%	13.4%	13.4%	0.79
Male	305	36.9%	21.2%	12.3%	12.3%	12.3%	0.79
Female	240	37.1%	21.3%	14.6%	14.6%	14.6%	0.80
Black	39	---	---	---	---	---	---
Male	23	---	---	---	---	---	---
Female	16	---	---	---	---	---	---
Native American	3	---	---	---	---	---	---
Male	1	---	---	---	---	---	---
Female	2	---	---	---	---	---	---
Asian	11	---	---	---	---	---	---
Male	6	---	---	---	---	---	---
Female	5	---	---	---	---	---	---
Hispanic	31	---	---	---	---	---	---
Male	23	---	---	---	---	---	---
Female	8	---	---	---	---	---	---

Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 254. Cause-Specific Survival Rates for Pancreatic Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1997-2001

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	632	359	273
	One Year	37.8%	37.4%	38.3%
	5 Years	14.6%	13.4%	15.9%
	Median Survival	0.80	0.80	0.81
Stage at Diagnosis				
In situ	Cases	0	0	0
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Localized	Cases	44	27	17
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Regional	Cases	181	107	74
	One Year	43.8%	40.1%	49.2%
	5 Years	15.9%	14.7%	17.2%
	Median Survival	0.89	0.83	0.98
Distant	Cases	193	109	84
	One Year	36.8%	35.2%	38.9%
	5 Years	16.7%	---	15.6%
	Median Survival	0.79	0.77	0.82
Unstaged	Cases	214	116	98
	One Year	30.3%	34.8%	25.6%
	5 Years	---	---	---
	Median Survival	0.72	0.77	0.67

Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

ALL OTHER CANCERS

ALL OTHER CANCERS

Table 255. Cancer Incidence, Inpatient Hospital Discharges and Mortality by Type of Cancer, Nevada Residents, 1997-2001

Type of Cancer	Incidence	Hospital Admissions	Mortality
Total	38,261	32,109	16,806
Rate*	449.2	372.2	207.6
95% C.I.	(444.6-453.9)	(368.1-376.4)	(204.4-210.9)
Skin	875	71	249
Rate*	9.8	0.8	2.9
95% C.I.	(9.2-10.5)	(0.6-1.1)	(2.5-3.3)
Corpus Uteri & Uterus NOS	850	853	131
Rate*	18.8	18.8	3.1
95% C.I.	(17.6-20.1)	(17.6-20.2)	(2.6-3.6)
Ovary	741	635	361
Rate*	16.6	14.1	8.3
95% C.I.	(15.4-17.8)	(13.0-15.2)	(7.5-9.3)
Thyroid Gland	563	750	29
Rate*	6.0	8.0	0.4
95% C.I.	(5.6-6.6)	(7.4-8.6)	(0.2-0.5)
Brain and Other Central Nervous System	560	728	320
Rate*	6.4	8.1	3.7
95% C.I.	(5.9-7.0)	(7.5-8.7)	(3.3-4.2)
Stomach	544	571	326
Rate*	6.8	6.9	4.2
95% C.I.	(6.3-7.5)	(6.3-7.5)	(3.7-4.7)
Liver and Intrahepatic Bile Ducts	501	338	388
Rate*	5.9	3.9	4.7
95% C.I.	(5.4-6.5)	(3.5-4.3)	(4.3-5.3)
Cervix Uteri	497	611	133
Rate*	10.9	13.3	3.0
95% C.I.	(9.9-11.9)	(12.3-14.4)	(2.5-3.6)
Esophagus	444	293	368
Rate*	5.2	3.4	4.3
95% C.I.	(4.7-5.7)	(3.0-3.8)	(3.8-4.7)
Larynx	371	226	136
Rate*	4.3	2.5	1.6
95% C.I.	(3.8-4.7)	(2.2-2.9)	(1.4-1.9)
Multiple Myeloma	337	320	229
Rate*	4.0	3.7	2.8
95% C.I.	(3.6-4.5)	(3.3-4.1)	(2.4-3.2)
Hodgkin's Lymphoma	187	116	39
Rate*	2.0	1.2	0.4
95% C.I.	(1.7-2.3)	(1.0-1.5)	(0.3-0.6)
All Other Sites	3,145	7,626	2,015
Rate*	37.8	88.4	25.5
95% C.I.	(36.4-39.1)	(86.4-90.5)	(24.3-26.7)

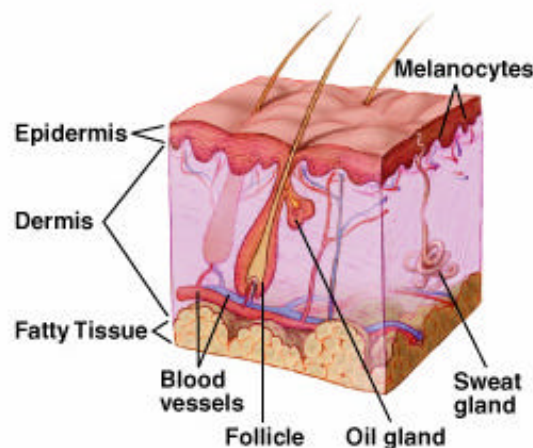
* Rates are per 100,000 population and age-adjusted to the 2001 US Standard population. Gender-specific cancers are per 100,000 gender-specific population and age-adjusted to the 2001 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten.

SKIN CANCER

GENERAL PROFILE⁴

Figure 166. Anatomy of the Skin⁴



General Anatomy: The skin is the body's largest organ. It protects against heat, sunlight, injury, and infection. Skin aids in the regulation of body temperature, stores water and fat, and produces vitamin D. The skin has two main layers: the outer epidermis and the inner dermis. The epidermis is mostly made up of flat, scale-like cells called squamous cells. Round cells called basal cells lie under the squamous cells in the epidermis. The lower part of the epidermis also contains melanocytes. The dermis contains blood vessels, lymph vessels, hair follicles, and glands. Some of these glands produce sweat, which helps regulate body temperature. Other glands produce sebum, an oily substance that helps keep the skin from drying out. Sweat and sebum reach the skin's surface through tiny openings called pores. Melanoma is one of the most common cancers and occurs when melanocytes (pigment cells) become malignant.

Risk Factors: Dysplastic nevi moles, many (more than 50) ordinary moles, fair skin, personal history of melanoma or skin cancer, family history of melanoma, weakened immune system, severe, blistering sunburns, and ultraviolet (UV) radiation.

Signs and Symptoms: Asymmetrical, border, color, and diameter changes in a mole, and dysplastic nevi moles are common signs and symptoms.

Diagnosing the Cancer: Excisional biopsy.

Treatment: Treatment options include: surgery (sentinel lymph node biopsy, lymph node dissection), chemotherapy (orally or injection or isolated limb perfusion), biological therapy, or radiation therapy.

Table 256. Skin Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1997-2001)
Total						
Cases	1,083	700	210	172	1	30,483
Rate*	11.1	10.5	12.5	12.3	---	16.5
95% C.I.	(10.5-11.8)	(9.7-11.3)	(10.8-14.2)	(10.5-14.1)	---	(16.3-16.6)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	5
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	1	0	0	1	0	56
Rate*	---	---	---	---	---	0.2
95% C.I.	---	---	---	---	---	(0.2-0.3)
15-24	27	14	7	6	0	655
Rate*	2.0	1.5	---	---	---	2.5
95% C.I.	(1.3-2.8)	(0.7-2.3)	---	---	---	(2.3-2.7)
25-34	75	52	12	10	1	2,388
Rate*	5.1	4.9	4.7	6.4	---	8.2
95% C.I.	(3.9-6.2)	(3.6-6.2)	(2.0-7.4)	(2.4-10.3)	---	(7.8-8.5)
35-44	156	85	41	30	0	4,676
Rate*	10.0	8.1	14.5	13.3	---	15.0
95% C.I.	(8.5-11.6)	(6.4-9.8)	(10.0-18.9)	(8.5-18.0)	---	(14.5-15.4)
45-54	209	125	49	35	0	5,958
Rate*	16.3	14.8	20.7	17.4	---	26.0
95% C.I.	(14.1-18.5)	(12.2-17.4)	(14.9-26.5)	(11.7-23.2)	---	(25.4-26.7)
55-64	210	144	39	27	0	5,295
Rate*	22.9	23.2	26.0	18.7	---	37.8
95% C.I.	(19.8-26.0)	(19.4-27.0)	(17.8-34.1)	(11.6-25.7)	---	(36.8-38.8)
65-74	222	156	34	32	0	5,597
Rate*	34.6	36.1	33.2	29.8	---	48.5
95% C.I.	(30.0-39.1)	(30.4-41.7)	(22.0-44.3)	(19.5-40.2)	---	(47.2-49.8)
75-84	159	109	26	24	0	4,388
Rate*	45.3	46.7	45.0	40.1	---	60.4
95% C.I.	(38.2-52.3)	(37.9-55.4)	(27.7-62.2)	(24.0-56.1)	---	(58.6-62.2)
85+	23	14	2	7	0	1,461
Rate*	30.2	30.0	---	---	---	58.9
95% C.I.	(17.8-42.5)	(14.3-45.7)	---	---	---	(55.9-61.9)
Unknown	1	1	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 257. Skin Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	83	60	9	14	0
Rate*	0.9	1.0	---	0.9	---
95% C.I.	(0.7-1.1)	(0.8-1.3)	---	(0.5-1.6)	---
Gender					
Male	54	36	7	11	0
Rate*	1.3	1.4	---	1.4	---
95% C.I.	(0.9-1.8)	(0.9-2.1)	---	(0.7-2.8)	---
Female	29	24	2	3	0
Rate*	0.6	0.8	---	---	---
95% C.I.	(0.4-0.9)	(0.5-1.1)	---	---	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$1,199,486	\$921,475	\$132,535	\$145,476	---
Average Charges	\$14,452	\$15,358	\$14,726	\$10,391	---
Median Charges	\$11,291	\$11,139	\$15,423	\$9,768	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	283	226	26	31	---
Average LOS	3.4	3.8	2.9	2.2	---
Median LOS	2.0	2.0	3.0	1.0	---

* Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 258. Skin Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	264	172	39	53
Rate*	2.7	2.6	2.3	3.8
95% C.I.	(2.4-3.0)	(2.2-3.0)	(1.6-3.1)	(2.8-4.8)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	3	2	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	6	5	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	28	17	7	4
Rate*	1.8	1.6	---	---
95% C.I.	(1.1-2.5)	(0.9-2.4)	---	---
45-54	41	25	7	9
Rate*	3.2	3.0	---	---
95% C.I.	(2.2-4.2)	(1.8-4.1)	---	---
55-64	57	40	4	13
Rate*	6.2	6.4	---	9.0
95% C.I.	(4.6-7.8)	(4.4-8.4)	---	(4.1-13.9)
65-74	67	43	10	14
Rate*	10.4	9.9	9.8	13.1
95% C.I.	(7.9-12.9)	(7.0-12.9)	(3.7-15.8)	(6.2-19.9)
75-84	51	37	7	7
Rate*	14.5	15.8	---	---
95% C.I.	(10.5-18.5)	(10.7-20.9)	---	---
85+	11	3	2	6
Rate*	14.4	---	---	---
95% C.I.	(5.9-23.0)	---	---	---
Unknown	0	0	0	0

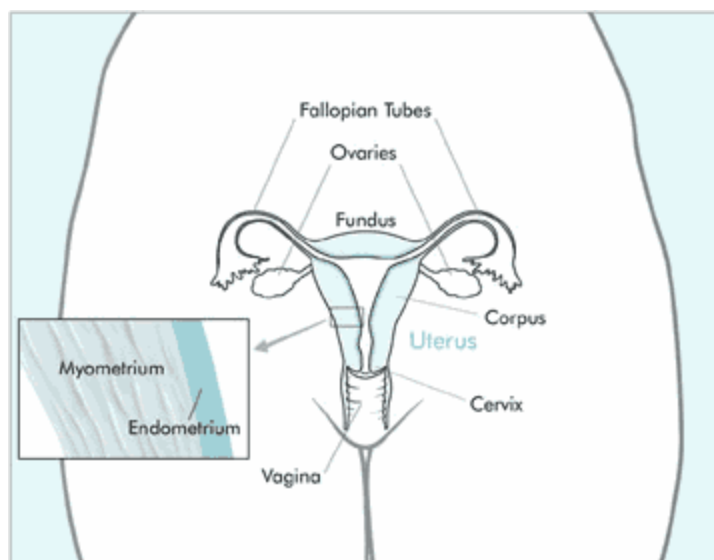
* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten.

UTERINE CANCER

GENERAL PROFILE⁴

Figure 167. Anatomical Drawing of Female Reproductive System⁴



General Anatomy: The uterus is part of a woman's reproductive system. It is the hollow, pear-shaped organ where a baby grows. The uterus is in the pelvis between the bladder and the rectum. The narrow, lower portion of the uterus is the cervix. The broad, middle part of the uterus is the body, or corpus. The dome-shaped top of the uterus is the fundus. The fallopian tubes extend from either side of the top of the uterus to the ovaries.

The wall of the uterus has two layers of tissue. The inner layer, or lining, is the endometrium. The outer layer is muscle tissue called the myometrium. In women of childbearing age, the lining of the uterus grows and thickens each month to prepare for pregnancy. If a woman does not become pregnant, the thick, bloody lining flows out of the body through the vagina. This flow is called menstruation.

Risk Factors: Age (Women over 50), Endometrial hyperplasia, hormone replacement therapy (HRT), obesity and related conditions, women taking the drug Tamoxifen, race (White females), and inherited form of Colorectal Cancer.

Signs and Symptoms: Unusual vaginal bleeding or discharge, difficult or painful urination, pain during intercourse, and pain in the pelvic area.

Diagnosing the Cancer: Pelvic exam, Pap test, transvaginal ultrasound, and biopsy.

Treatment: Treatment options include: surgery (hysterectomy), radiation therapy and hormonal therapy.

Table 259. Uterine Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1997-2001)
Total						
Cases	852	589	144	119	0	23,249
Rate*	8.7	8.8	8.6	8.5	---	12.6
95% C.I.	(8.2-9.3)	(8.1-9.6)	(7.2-10.0)	(7.0-10.0)	---	(12.4-12.7)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
15-24	1	1	0	0	0	23
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.1-0.1)
25-34	20	16	2	2	0	321
Rate*	1.4	1.5	---	---	---	1.1
95% C.I.	(0.8-2.0)	(0.8-2.2)	---	---	---	(1.0-1.2)
35-44	51	40	4	7	0	1,474
Rate*	3.3	3.8	---	---	---	4.7
95% C.I.	(2.4-4.2)	(2.6-5.0)	---	---	---	(4.5-5.0)
45-54	156	112	25	19	0	4,263
Rate*	12.2	13.2	10.6	9.5	---	18.6
95% C.I.	(10.2-14.1)	(10.8-15.7)	(6.4-14.7)	(5.2-13.7)	---	(18.1-19.2)
55-64	213	153	36	24	0	5,907
Rate*	23.2	24.6	24.0	16.6	---	42.2
95% C.I.	(20.1-26.4)	(20.7-28.5)	(16.1-31.8)	(10.0-23.3)	---	(41.1-43.3)
65-74	242	164	45	33	0	5,769
Rate*	37.7	37.9	43.9	30.8	---	50.0
95% C.I.	(32.9-42.4)	(32.1-43.7)	(31.1-56.7)	(20.3-41.3)	---	(48.7-51.3)
75-84	139	89	24	26	0	4,254
Rate*	39.6	38.1	41.5	43.4	---	58.5
95% C.I.	(33.0-46.1)	(30.2-46.0)	(24.9-58.1)	(26.7-60.1)	---	(56.8-60.3)
85+	30	14	8	8	0	1,234
Rate*	39.4	30.0	---	---	---	49.8
95% C.I.	(25.3-53.4)	(14.3-45.7)	---	---	---	(47.0-52.5)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 age-specific female population.

Note: The "—" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 260. Uterine Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	828	582	128	118	0
Rate*	8.9	9.3	8.2	8.2	---
95% C.I.	(8.3-9.6)	(8.5-10.1)	(6.8-9.8)	(6.7-9.8)	---
Gender					
Male	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
Female	828	582	128	118	0
Rate*	17.3	18.0	15.8	15.9	---
95% C.I.	(16.1-18.5)	(16.6-19.6)	(13.2-18.8)	(13.1-19.0)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$20,089,485	\$13,984,251	\$3,344,901	\$2,760,333	---
Average Charges	\$24,263	\$24,028	\$26,132	\$23,393	---
Median Charges	\$17,917	\$17,197	\$25,108	\$15,358	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	3,778	2,727	556	495	---
Average LOS	4.6	4.7	4.3	4.2	---
Median LOS	3.0	3.0	3.0	3.0	---

* Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 261. Uterine Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	134	93	26	15
Rate*	1.4	1.4	1.5	1.1
95% C.I.	(1.1-1.6)	(1.1-1.7)	(1.0-2.1)	(0.5-1.6)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	6	6	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	19	16	3	0
Rate*	1.5	1.9	---	---
95% C.I.	(0.8-2.1)	(1.0-2.8)	---	---
55-64	20	14	6	0
Rate*	2.2	2.3	---	---
95% C.I.	(1.2-3.1)	(1.1-3.4)	---	---
65-74	34	20	5	9
Rate*	5.3	4.6	---	---
95% C.I.	(3.5-7.1)	(2.6-6.7)	---	---
75-84	37	28	5	4
Rate*	10.5	12.0	---	---
95% C.I.	(7.1-13.9)	(7.5-16.4)	---	---
85+	17	8	7	2
Rate*	22.3	---	---	---
95% C.I.	(11.7-32.9)	---	---	---
Unknown	0	0	0	0

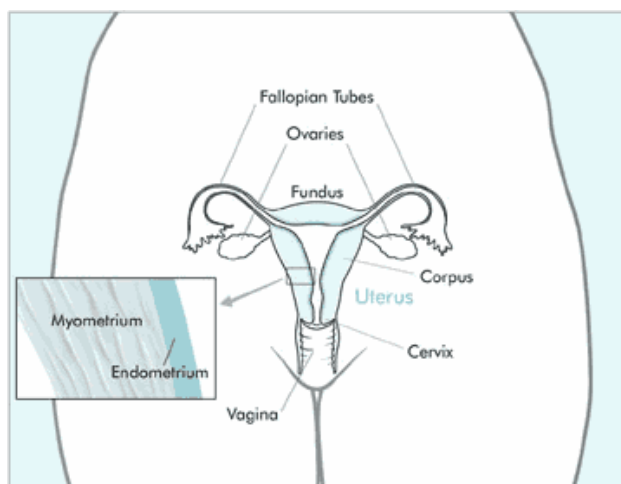
* Rates are per 100,000 age-specific female population.

Note: The "—" is used for rates calculated on numbers less than ten.

OVARIAN CANCER

GENERAL PROFILE⁴

Figure 168. Anatomical Drawing of Female Reproductive System⁴



General Anatomy: The ovaries are a pair of organs in the female reproductive system. They are located in the pelvis, one on each side of the uterus. Each ovary is about the size and shape of an almond. The ovaries have two functions: they produce eggs and female hormones (chemicals that control the way certain cells or organs function).

Every month, during the menstrual cycle, an egg is released from one ovary in a process called ovulation. The egg travels from the ovary through the fallopian tube to the uterus. The ovaries are also the main source of the female hormones estrogen and progesterone, which influence the development of a woman's breasts, body shape, and body hair. They also regulate the menstrual cycle and pregnancy.

Risk Factors: Family history, age (women over 50, especially over 60), women who never had children, personal history of Breast or Colorectal Cancer, use of fertility drugs, use of talc, and hormone replacement therapy (HRT).

Signs and Symptoms: General abdominal discomfort and/or pain (gas, indigestion, pressure, swelling, bloating, cramps), Nausea, diarrhea, constipation, or frequent urination, Loss of appetite, feeling of fullness even after a light meal, weight gain or loss with no known reason, and abnormal bleeding from the vagina.

Diagnosing the Cancer: Pelvic exam, ultrasound, CA-125 assay blood test, lower gastrointestinal (GI) series, or barium enema (colon and rectum X-rays), CT (or CAT) scan, and biopsy.

Treatment: Surgery (hysterectomy with bilateral Salpingo-oophorectomy), chemotherapy, radiation therapy, and clinical trials.

Table 262. Ovarian Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1997-2001)
Total						
Cases	737	494	145	98	0	13,348
Rate*	7.6	7.4	8.6	7.0	---	7.2
95% C.I.	(7.0-8.1)	(6.8-8.1)	(7.2-10.0)	(5.6-8.4)	---	(7.1-7.3)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	1	1	0	0	0	55
Rate*	---	---	---	---	---	0.2
95% C.I.	---	---	---	---	---	(0.2-0.3)
15-24	7	6	0	1	0	194
Rate*	---	---	---	---	---	0.8
95% C.I.	---	---	---	---	---	(0.6-0.9)
25-34	34	22	4	8	0	354
Rate*	2.3	2.1	---	---	---	1.2
95% C.I.	(1.5-3.1)	(1.2-2.9)	---	---	---	(1.1-1.3)
35-44	74	49	17	8	0	1,100
Rate*	4.8	4.7	6.0	---	---	3.5
95% C.I.	(3.7-5.8)	(3.4-6.0)	(3.1-8.9)	---	---	(3.3-3.7)
45-54	122	81	28	13	0	2,578
Rate*	9.5	9.6	11.8	6.5	---	11.3
95% C.I.	(7.8-11.2)	(7.5-11.7)	(7.5-16.2)	(3.0-10.0)	---	(10.8-11.7)
55-64	168	111	30	27	0	2,761
Rate*	18.3	17.9	20.0	18.7	---	19.7
95% C.I.	(15.6-21.1)	(14.5-21.2)	(12.8-27.1)	(11.6-25.7)	---	(19.0-20.5)
65-74	190	127	36	27	0	2,884
Rate*	29.6	29.4	35.1	25.2	---	25.0
95% C.I.	(25.4-33.8)	(24.3-34.5)	(23.6-46.6)	(15.7-34.7)	---	(24.1-25.9)
75-84	112	75	26	11	0	2,540
Rate*	31.9	32.1	45.0	18.4	---	34.9
95% C.I.	(26.0-37.8)	(24.8-39.4)	(27.7-62.2)	(7.5-29.2)	---	(33.6-36.3)
85+	29	22	4	3	0	878
Rate*	38.0	47.1	---	---	---	35.4
95% C.I.	(24.2-51.9)	(27.4-66.8)	---	---	---	(33.1-37.7)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 age-specific female population.

Note: The "—" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 263. Ovarian Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	669	450	143	76	0
Rate*	7.2	7.3	9.1	5.2	---
95% C.I.	(6.7-7.8)	(6.6-8.0)	(7.7-10.8)	(4.1-6.5)	---
Gender					
Male	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
Female	669	450	143	76	0
Rate*	14.0	14.1	17.6	10.2	---
95% C.I.	(13.0-15.2)	(12.8-15.5)	(14.8-20.8)	(8.1-12.9)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$27,619,931	\$17,456,637	\$7,362,703	\$2,800,591	---
Average Charges	\$41,285	\$38,793	\$51,487	\$36,850	---
Median Charges	\$28,944	\$27,669	\$32,629	\$26,731	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	5,360	3,515	1,337	508	---
Average LOS	8.0	7.8	9.3	6.7	---
Median LOS	6.0	6.0	7.0	6.0	---

* Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 264. Ovarian Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	376	262	72	42
Rate*	3.9	3.9	4.3	3.0
95% C.I.	(3.5-4.3)	(3.5-4.4)	(3.3-5.3)	(2.1-3.9)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	3	2	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	15	13	1	1
Rate*	1.0	1.2	---	---
95% C.I.	(0.5-1.5)	(0.6-1.9)	---	---
45-54	62	48	10	4
Rate*	4.8	5.7	4.2	---
95% C.I.	(3.6-6.0)	(4.1-7.3)	(1.6-6.9)	---
55-64	65	40	13	12
Rate*	7.1	6.4	8.7	8.3
95% C.I.	(5.4-8.8)	(4.4-8.4)	(4.0-13.4)	(3.6-13.0)
65-74	114	77	28	9
Rate*	17.8	17.8	27.3	---
95% C.I.	(14.5-21.0)	(13.8-21.8)	(17.2-37.4)	---
75-84	89	64	15	10
Rate*	25.3	27.4	25.9	16.7
95% C.I.	(20.1-30.6)	(20.7-34.1)	(12.8-39.1)	(6.3-27.0)
85+	28	18	4	6
Rate*	36.7	38.5	---	---
95% C.I.	(23.1-50.3)	(20.7-56.4)	---	---
Unknown	0	0	0	0

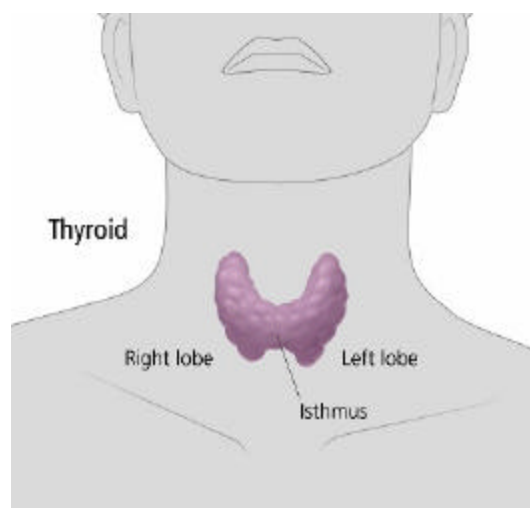
* Rates are per 100,000 age-specific female population.

Note: The "—" is used for rates calculated on numbers less than ten.

THYROID GLAND CANCER

GENERAL PROFILE⁴

Figure 169. Anatomical Drawing of the Thyroid Gland⁴



General Anatomy: The thyroid is a gland in the neck. It has two kinds of cells that make hormones. Follicular cells make thyroid hormone, which affects heart rate, body temperature, and energy level. C cells make calcitonin, a hormone that helps control the level of calcium in the blood. The thyroid is shaped like a butterfly and lies at the front of the neck, beneath the voice box (larynx). It has two parts, or lobes. A thin section called the isthmus separates the two lobes of the thyroid. A healthy thyroid is a little larger than a quarter. It usually cannot be felt through the skin. A swollen lobe might look or feel like a lump in the front of the neck. A swollen thyroid is called a goiter. Most goiters are caused by not enough iodine in the diet.

Risk Factors: Exposure to radiation, family history, female gender, age (over 40), race (Whites are more likely to be diagnosed with Thyroid Cancer than Blacks, as a racial/ethnic group), and iodine deficiency.

Signs and Symptoms: A lump, or nodule, in the front of the neck near the Adam's apple, hoarseness or difficulty speaking in a normal voice, swollen lymph nodes, especially in the neck, difficulty swallowing or breathing, or pain in the throat or neck.

Diagnosing the Cancer: Physical exam, blood tests, ultrasonography, radionuclide scanning, and fine-needle aspiration.

Treatment: surgery (total thyroidectomy, lobectomy), radioactive iodine, hormone treatment, external radiation, and chemotherapy.

Table 265. Thyroid Gland Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1997-2001)
Total						
Cases	696	478	141	76	1	13,502
Rate*	7.1	7.2	8.4	5.4	---	7.3
95% C.I.	(6.6-7.7)	(6.5-7.8)	(7.0-9.8)	(4.2-6.7)	---	(7.2-7.4)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	2	2	0	0	0	84
Rate*	---	---	---	---	---	0.3
95% C.I.	---	---	---	---	---	(0.2-0.4)
15-24	42	28	11	3	0	785
Rate*	3.1	3.0	4.8	---	---	3.0
95% C.I.	(2.2-4.1)	(1.9-4.1)	(2.0-7.6)	---	---	(2.8-3.3)
25-34	125	95	20	10	0	2,234
Rate*	8.5	8.9	7.8	6.4	---	7.6
95% C.I.	(7.0-10.0)	(7.1-10.7)	(4.4-11.3)	(2.4-10.3)	---	(7.3-7.9)
35-44	165	102	44	18	1	3,150
Rate*	10.6	9.7	15.5	8.0	---	10.1
95% C.I.	(9.0-12.2)	(7.9-11.6)	(10.9-20.1)	(4.3-11.6)	---	(9.7-10.4)
45-54	166	106	36	24	0	2,944
Rate*	12.9	12.5	15.2	12.0	---	12.9
95% C.I.	(11.0-14.9)	(10.1-14.9)	(10.3-20.2)	(7.2-16.7)	---	(12.4-13.3)
55-64	105	78	17	10	0	1,931
Rate*	11.5	12.5	11.3	6.9	---	13.8
95% C.I.	(9.3-13.7)	(9.8-15.3)	(5.9-16.7)	(2.6-11.2)	---	(13.2-14.4)
65-74	56	41	8	7	0	1,340
Rate*	8.7	9.5	---	---	---	11.6
95% C.I.	(6.4-11.0)	(6.6-12.4)	---	---	---	(11.0-12.2)
75-84	31	24	4	3	0	834
Rate*	8.8	10.3	---	---	---	11.5
95% C.I.	(5.7-11.9)	(6.2-14.4)	---	---	---	(10.7-12.3)
85+	4	2	1	1	0	200
Rate*	---	---	---	---	---	8.1
95% C.I.	---	---	---	---	---	(6.9-9.2)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The “---” is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 266. Thyroid Gland Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	985	757	151	77	0
Rate*	10.1	11.4	8.8	5.3	---
95% C.I.	(9.4-10.7)	(10.6-12.2)	(7.5-10.4)	(4.2-6.7)	---
Gender					
Male	216	166	25	25	0
Rate*	4.5	5.2	2.9	3.4	---
95% C.I.	(3.9-5.2)	(4.4-6.1)	(1.8-4.6)	(2.2-5.3)	---
Female	769	591	126	52	0
Rate*	15.9	18.0	14.9	7.4	---
95% C.I.	(14.8-17.1)	(16.5-19.5)	(12.4-17.7)	(5.5-9.7)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$10,928,533	\$8,057,777	\$2,002,913	\$867,843	---
Average Charges	\$11,095	\$10,644	\$13,264	\$11,271	---
Median Charges	\$10,071	\$9,592	\$12,298	\$10,741	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	2,051	1,565	333	153	---
Average LOS	2.1	2.1	2.2	2.0	---
Median LOS	2.0	2.0	2.0	2.0	---

* Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Note: The “---” is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 267. Thyroid Gland Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	29	18	6	5
Rate*	0.3	0.3	0.4	0.4
95% C.I.	(0.2-0.4)	(0.1-0.4)	(0.1-0.6)	(0.0-0.7)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	2	1	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
55-64	9	6	2	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
65-74	5	3	1	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
75-84	10	7	1	2
Rate*	2.8	---	---	---
95% C.I.	(1.1-4.6)	---	---	---
85+	3	1	2	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Unknown	0	0	0	0

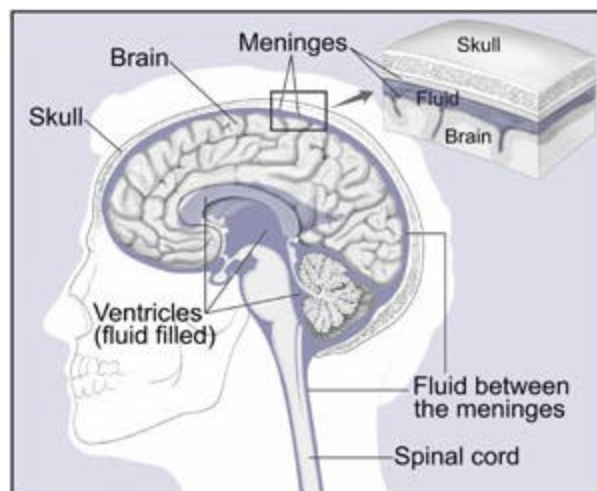
* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten.

BRAIN AND OTHER CENTRAL NERVOUS SYSTEM CANCER

GENERAL PROFILE⁴

Figure 170. Anatomical Drawing of the Brain and Nearby Structures⁴



General Anatomy: The brain is a soft, spongy mass of tissue. The bones of the skull and three thin membranes called meninges protect it, and watery fluid called cerebrospinal fluid cushions the brain. This fluid flows through spaces between the meninges and through spaces within the brain called ventricles. A network of nerves carries messages back and forth between the brain and the rest of the body. Some nerves go directly from the brain to the eyes, ears, and other parts of the head. Many nerves run through the spinal cord to connect the brain with the other parts of the body. Within the brain and spinal cord, glial cells surround nerve cells and hold them in place.

Risk Factors: Male gender, White race, age (over 70 years of age), family history, and exposure to radiation or certain chemicals: formaldehyde, vinyl chloride, and acrylonitrile.

Signs and Symptoms: Headaches (usually worse in the morning), nausea or vomiting, changes in speech, vision, or hearing, problems balancing or walking, changes in mood, personality, or ability to concentrate, problems with memory, muscle jerking or twitching (seizures or convulsions), and numbness or tingling in the arms or legs.

Diagnosing the Cancer: Physical exam, neurologic exam, computed tomography (CAT) scan, magnetic resonance imaging (MRI), angiogram, skull x-ray, spinal tap, myelogram, and biopsy.

Treatment: surgery (craniotomy), radiation therapy (fractionation, hyperfractionation, stereotactic, 3-dimensional conformal, and proton beam), and chemotherapy.

Table 268. Brain and Other Central Nervous System Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1997-2001)
Total						
Cases	580	392	90	96	2	11,565
Rate*	6.0	5.9	5.4	6.9	---	6.2
95% C.I.	(5.5-6.4)	(5.3-6.5)	(4.3-6.5)	(5.5-8.2)	---	(6.1-6.4)
Age Group						
<1	6	2	2	2	0	93
Rate*	---	---	---	---	---	3.4
95% C.I.	---	---	---	---	---	(2.7-4.0)
1-4	14	12	1	1	0	431
Rate*	2.5	3.0	---	---	---	3.9
95% C.I.	(1.2-3.8)	(1.3-4.7)	---	---	---	(3.5-4.2)
5-14	33	19	7	6	1	800
Rate*	2.4	2.0	---	---	---	3.0
95% C.I.	(1.6-3.2)	(1.1-2.9)	---	---	---	(2.8-3.2)
15-24	20	10	4	6	0	500
Rate*	1.5	1.1	---	---	---	1.9
95% C.I.	(0.8-2.1)	(0.4-1.7)	---	---	---	(1.8-2.1)
25-34	43	30	7	6	0	865
Rate*	2.9	2.8	---	---	---	3.0
95% C.I.	(2.0-3.8)	(1.8-3.8)	---	---	---	(2.8-3.2)
35-44	56	41	8	7	0	1,329
Rate*	3.6	3.9	---	---	---	4.3
95% C.I.	(2.7-4.5)	(2.7-5.1)	---	---	---	(4.0-4.5)
45-54	88	56	17	15	0	1,664
Rate*	6.9	6.6	7.2	7.5	---	7.3
95% C.I.	(5.4-8.3)	(4.9-8.3)	(3.8-10.6)	(3.7-11.3)	---	(6.9-7.6)
55-64	109	68	20	21	0	1,769
Rate*	11.9	10.9	13.3	14.5	---	12.6
95% C.I.	(9.7-14.1)	(8.3-13.5)	(7.5-19.2)	(8.3-20.7)	---	(12.0-13.2)
65-74	117	85	10	22	0	2,023
Rate*	18.2	19.7	9.8	20.5	---	17.5
95% C.I.	(14.9-21.5)	(15.5-23.8)	(3.7-15.8)	(11.9-29.1)	---	(16.8-18.3)
75-84	79	57	11	10	1	1,672
Rate*	22.5	24.4	19.0	16.7	---	23.0
95% C.I.	(17.5-27.4)	(18.1-30.7)	(7.8-30.3)	(6.3-27.0)	---	(21.9-24.1)
85+	15	12	3	0	0	419
Rate*	19.7	25.7	---	---	---	16.9
95% C.I.	(9.7-29.6)	(11.2-40.2)	---	---	---	(15.3-18.5)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The “---” is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 269. Brain and Other Central Nervous System Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	762	539	110	112	1
Rate*	8.1	8.4	6.8	7.6	---
95% C.I.	(7.5-8.7)	(7.7-9.2)	(5.6-8.3)	(6.3-9.3)	---
Gender					
Male	449	324	58	66	1
Rate*	9.6	10.3	7.2	8.9	---
95% C.I.	(8.7-10.6)	(9.2-11.7)	(5.4-9.6)	(6.9-11.6)	---
Female	313	215	52	46	0
Rate*	6.6	6.7	6.4	6.4	---
95% C.I.	(5.9-7.4)	(5.8-7.7)	(4.7-8.4)	(4.7-8.6)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$28,160,525	\$20,921,574	\$3,712,360	\$3,520,539	\$6,052
Average Charges	\$36,956	\$38,816	\$33,749	\$31,433	\$6,052
Median Charges	\$30,345	\$31,278	\$30,857	\$26,211	\$6,052
Discharge Length of Stay (LOS) (Days)					
Total LOS	5,863	4,247	850	765	1
Average LOS	7.7	7.9	7.7	6.8	1.0
Median LOS	5.0	5.0	5.0	5.0	1.0

* Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 270. Brain and Other Central Nervous System Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	338	223	54	61
Rate*	3.5	3.3	3.2	4.4
95% C.I.	(3.1-3.8)	(2.9-3.8)	(2.4-4.1)	(3.3-5.5)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	5	5	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	7	3	3	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	3	1	1	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	15	12	3	0
Rate*	1.0	1.1	---	---
95% C.I.	(0.5-1.5)	(0.5-1.8)	---	---
35-44	29	19	4	6
Rate*	1.9	1.8	---	---
95% C.I.	(1.2-2.5)	(1.0-2.6)	---	---
45-54	43	31	9	3
Rate*	3.3	3.7	---	---
95% C.I.	(2.3-4.4)	(2.4-5.0)	---	---
55-64	74	52	10	12
Rate*	8.1	8.4	6.7	8.3
95% C.I.	(6.2-9.9)	(6.1-10.6)	(2.5-10.8)	(3.6-13.0)
65-74	82	55	7	20
Rate*	12.8	12.7	---	18.7
95% C.I.	(10.0-15.5)	(9.4-16.1)	---	(10.5-26.8)
75-84	67	39	12	16
Rate*	19.1	16.7	20.8	26.7
95% C.I.	(14.5-23.6)	(11.5-21.9)	(9.0-32.5)	(13.6-39.8)
85+	13	6	5	2
Rate*	17.1	---	---	---
95% C.I.	(7.8-26.3)	---	---	---
Unknown	0	0	0	0

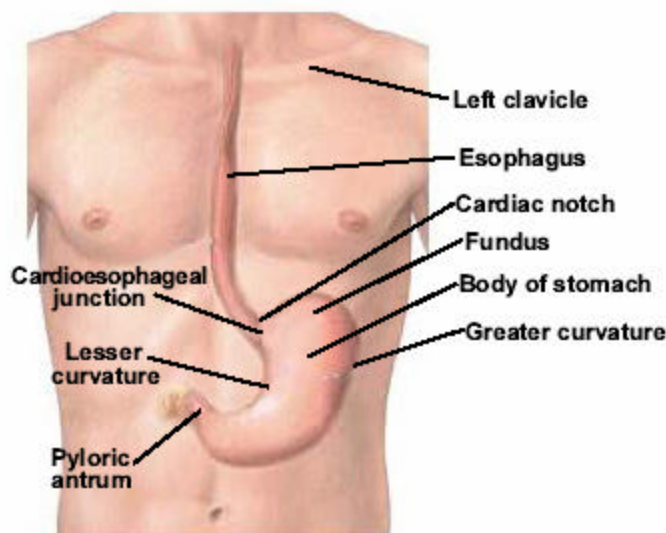
* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten.

STOMACH CANCER

GENERAL PROFILE⁴

Figure 171. Anatomical Drawing of the Esophagus and Stomach⁵



General Anatomy: The stomach is part of the digestive system. It is located in the upper abdomen, beneath the ribs. The upper part of the stomach connects to the esophagus, and the lower part leads into the small intestine. When food enters the stomach from the esophagus, muscles in the stomach wall create a rippling motion that mixes and mashes the food. At the same time, juices made by glands in the lining of the stomach help digest the food. After about 3 hours, the food becomes a liquid and moves into the small intestine, where digestion continues.

Risk Factors: While the cause of Stomach Cancer is still unknown, it is known that some people are more susceptible than others. Stomach Cancer is more common in people over 55 years of age, males, Blacks as a racial/ethnic group, and people who have had stomach surgery or have pernicious anemia, achlorhydria, or gastric atrophy (which generally result in lower than normal amounts of digestive juices). Stomach Cancer is also more prevalent in Japan, Korea, Eastern Europe, and Latin America than it is in the United States.

Signs and Symptoms: Indigestion or a burning sensation (heartburn), discomfort or pain in the abdomen, nausea and vomiting, diarrhea or constipation, bloating of the stomach after meals, loss of appetite, weakness and fatigue, and bleeding (vomiting blood or having blood in the stool).

Diagnosing the Cancer: Fecal occult blood test, upper gastrointestinal (GI) x-ray series, and endoscopy are some of the common ways of diagnosing Stomach Cancer.

Treatment: Surgery (gastrectomy), chemotherapy, radiation therapy, and biological therapy.

Table 271. Stomach Cancer Mortality by Age Group and County/Region of Residence at Diagnosis, Nevada Residents, 1997-2001

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1997-2001)
Total						
Cases	565	400	98	67	0	15,274
Rate*	5.8	6.0	5.8	4.8	---	8.2
95% C.I.	(5.3-6.3)	(5.4-6.6)	(4.7-7.0)	(3.6-5.9)	---	(8.1-8.4)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
15-24	2	1	1	0	0	24
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.1-0.1)
25-34	7	5	1	1	0	230
Rate*	---	---	---	---	---	0.8
95% C.I.	---	---	---	---	---	(0.7-0.9)
35-44	19	15	2	2	0	704
Rate*	1.2	1.4	---	---	---	2.3
95% C.I.	(0.7-1.8)	(0.7-2.2)	---	---	---	(2.1-2.4)
45-54	57	44	7	6	0	1,558
Rate*	4.4	5.2	---	---	---	6.8
95% C.I.	(3.3-5.6)	(3.7-6.7)	---	---	---	(6.5-7.1)
55-64	108	72	20	16	0	2,410
Rate*	11.8	11.6	13.3	11.1	---	17.2
95% C.I.	(9.6-14.0)	(8.9-14.3)	(7.5-19.2)	(5.6-16.5)	---	(16.5-17.9)
65-74	156	107	33	16	0	4,085
Rate*	24.3	24.7	32.2	14.9	---	35.4
95% C.I.	(20.5-28.1)	(20.1-29.4)	(21.2-43.2)	(7.6-22.2)	---	(34.3-36.5)
75-84	162	117	25	20	0	4,307
Rate*	46.1	50.1	43.2	33.4	---	59.3
95% C.I.	(39.0-53.2)	(41.0-59.2)	(26.3-60.2)	(18.8-48.0)	---	(57.5-61.0)
85+	53	39	8	6	0	1,951
Rate*	69.5	83.5	---	---	---	78.7
95% C.I.	(50.8-88.2)	(57.3-109.7)	---	---	---	(75.2-82.2)
Unknown	1	0	1	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 272. Stomach Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	583	419	105	59	0
Rate*	6.6	7.2	7.1	4.1	---
95% C.I.	(6.1-7.2)	(6.5-7.9)	(5.8-8.7)	(3.1-5.4)	---
Gender					
Male	398	288	67	43	0
Rate*	9.6	10.6	9.8	6.0	---
95% C.I.	(8.6-10.7)	(9.3-12.1)	(7.5-12.8)	(4.3-8.4)	---
Female	185	131	38	16	0
Rate*	4.1	4.3	4.9	2.2	---
95% C.I.	(3.5-4.7)	(3.6-5.1)	(3.4-6.7)	(1.3-3.7)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$31,688,867	\$23,813,962	\$5,177,811	\$2,697,094	---
Average Charges	\$54,355	\$56,835	\$49,312	\$45,713	---
Median Charges	\$35,342	\$37,334	\$32,835	\$28,281	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	6,455	4,788	1,091	576	---
Average LOS	11.1	11.4	10.4	9.8	---

* Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 273. Stomach Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Total				
Mortality	325	232	56	37
Rate*	3.3	3.5	3.3	2.6
95% C.I.	(3.0-3.7)	(3.0-3.9)	(2.5-4.2)	(1.8-3.5)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	2	2	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	13	10	3	0
Rate*	0.8	1.0	---	---
95% C.I.	(0.4-1.3)	(0.4-1.5)	---	---
45-54	34	28	3	3
Rate*	2.6	3.3	---	---
95% C.I.	(1.8-3.5)	(2.1-4.5)	---	---
55-64	53	39	8	6
Rate*	5.8	6.3	---	---
95% C.I.	(4.2-7.3)	(4.3-8.2)	---	---
65-74	81	56	16	9
Rate*	12.6	12.9	15.6	---
95% C.I.	(9.9-15.4)	(9.6-16.3)	(8.0-23.3)	---
75-84	104	72	19	13
Rate*	29.6	30.8	32.9	21.7
95% C.I.	(23.9-35.3)	(23.7-37.9)	(18.1-47.6)	(9.9-33.5)
85+	37	24	7	6
Rate*	48.5	51.4	---	---
95% C.I.	(32.9-64.2)	(30.8-72.0)	---	---
Unknown	0	0	0	0

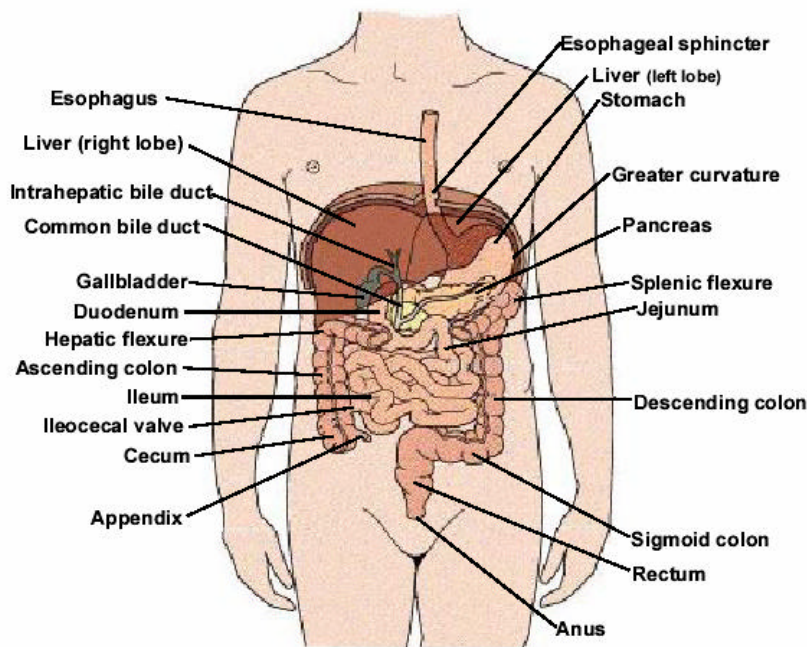
* Rates are per 100,000 age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten.

LIVER AND INTRAHEPATIC BILE DUCTS CANCER

GENERAL PROFILE⁴

Figure 172. Anatomical Drawing of the Digestive System⁵



General Anatomy: The liver is the largest organ in the body and is located behind the ribs on the right side of the abdomen. It has two parts, a right lobe and a smaller left lobe. The liver performs many health maintenance functions, including removing harmful material from the blood, creating enzymes and bile that aid in digestion, and converting food into substances needed for life and growth. The liver gets its supply of blood from two vessels, the hepatic portal vein and the hepatic artery.

Risk Factors: Chronic liver infection (hepatitis), cirrhosis, Aflatoxin (type of mold), male gender, family history, and age (over 60 years of age).

Signs and Symptoms: Pain in the upper abdomen on the right side; the pain may extend to the back and shoulder; swollen abdomen (bloating); weight loss, loss of appetite, or feelings of fullness; weakness or fatigue; nausea and vomiting; yellow skin, eyes, and dark urine from jaundice; and fever.

Diagnosing the Cancer: Physical exam, blood tests, computed tomography (CAT) scan, ultrasound test, magnetic resonance imaging (MRI), angiogram, and biopsy.

Treatment: Surgery (hepatectomy, transplantation), radio frequency ablation, percutaneous ethanol injection, cryosurgery, hepatic arterial infusion, chemoembolization, chemotherapy, and radiation therapy.

Table 274. Liver and Intrahepatic Bile Ducts Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1997-2001)
Total						
Cases	515	380	71	64	0	10,395
Rate*	5.3	5.7	4.2	4.6	---	5.6
95% C.I.	(4.8-5.7)	(5.1-6.3)	(3.2-5.2)	(3.5-5.7)	---	(5.5-5.7)
Age Group						
<1	3	3	0	0	0	29
Rate*	---	---	---	---	---	1.0
95% C.I.	---	---	---	---	---	(0.7-1.4)
1-4	4	1	2	1	0	56
Rate*	---	---	---	---	---	0.5
95% C.I.	---	---	---	---	---	(0.4-0.6)
5-14	1	1	0	0	0	27
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.1-0.1)
15-24	3	3	0	0	0	51
Rate*	---	---	---	---	---	0.2
95% C.I.	---	---	---	---	---	(0.1-0.3)
25-34	1	1	0	0	0	104
Rate*	---	---	---	---	---	0.4
95% C.I.	---	---	---	---	---	(0.3-0.4)
35-44	21	14	2	5	0	452
Rate*	1.3	1.3	---	---	---	1.4
95% C.I.	(0.8-1.9)	(0.6-2.0)	---	---	---	(1.3-1.6)
45-54	84	69	9	6	0	1,779
Rate*	6.5	8.2	---	---	---	7.8
95% C.I.	(5.1-7.9)	(6.2-10.1)	---	---	---	(7.4-8.1)
55-64	113	82	16	15	0	2,117
Rate*	12.3	13.2	10.7	10.4	---	15.1
95% C.I.	(10.1-14.6)	(10.3-16.0)	(5.4-15.9)	(5.1-15.6)	---	(14.5-15.8)
65-74	154	114	24	16	0	2,785
Rate*	24.0	26.4	23.4	14.9	---	24.1
95% C.I.	(20.2-27.8)	(21.5-31.2)	(14.0-32.8)	(7.6-22.2)	---	(23.2-25.0)
75-84	110	80	13	17	0	2,280
Rate*	31.3	34.3	22.5	28.4	---	31.4
95% C.I.	(25.5-37.2)	(26.7-41.8)	(10.3-34.7)	(14.9-41.9)	---	(30.1-32.7)
85+	21	12	5	4	0	715
Rate*	27.5	25.7	---	---	---	28.8
95% C.I.	(15.8-39.3)	(11.2-40.2)	---	---	---	(26.7-30.9)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The “---” is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 275. Liver and Intrahepatic Bile Ducts Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	347	272	50	25	0
Rate*	3.7	4.4	3.3	1.6	---
95% C.I.	(3.3-4.2)	(3.8-4.9)	(2.4-4.4)	(1.1-2.5)	---
Gender					
Male	232	187	28	17	0
Rate*	5.1	6.1	4.2	2.2	---
95% C.I.	(4.5-5.9)	(5.3-7.2)	(2.7-6.4)	(1.3-3.8)	---
Female	115	85	22	8	0
Rate*	2.4	2.7	2.7	---	---
95% C.I.	(2.0-2.9)	(2.1-3.3)	(1.7-4.1)	---	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$8,918,400	\$7,544,131	\$847,384	\$526,885	---
Average Charges	\$25,701	\$27,736	\$16,948	\$21,075	---
Median Charges	\$17,789	\$19,215	\$15,613	\$9,966	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	2,297	1,859	310	128	---
Average LOS	6.6	6.8	6.2	5.1	---
Median LOS	5.0	5.0	6.0	4.0	---

* Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 276. Liver and Intrahepatic Bile Ducts Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	415	299	59	57
Rate*	4.3	4.5	3.5	4.1
95% C.I.	(3.9-4.7)	(4.0-5.0)	(2.6-4.4)	(3.0-5.1)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	1	0	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	2	1	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	3	2	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	1	0	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	11	9	0	2
Rate*	0.7	---	---	---
95% C.I.	(0.3-1.1)	---	---	---
45-54	62	52	8	2
Rate*	4.8	6.1	---	---
95% C.I.	(3.6-6.0)	(4.5-7.8)	---	---
55-64	77	52	12	13
Rate*	8.4	8.4	8.0	9.0
95% C.I.	(6.5-10.3)	(6.1-10.6)	(3.5-12.5)	(4.1-13.9)
65-74	132	94	24	14
Rate*	20.6	21.7	23.4	13.1
95% C.I.	(17.0-24.1)	(17.3-26.1)	(14.0-32.8)	(6.2-19.9)
75-84	95	66	11	18
Rate*	27.0	28.3	19.0	30.0
95% C.I.	(21.6-32.5)	(21.4-35.1)	(7.8-30.3)	(16.2-43.9)
85+	31	23	4	4
Rate*	40.7	49.3	---	---
95% C.I.	(26.3-55.0)	(29.1-69.4)	---	---
Unknown	0	0	0	0

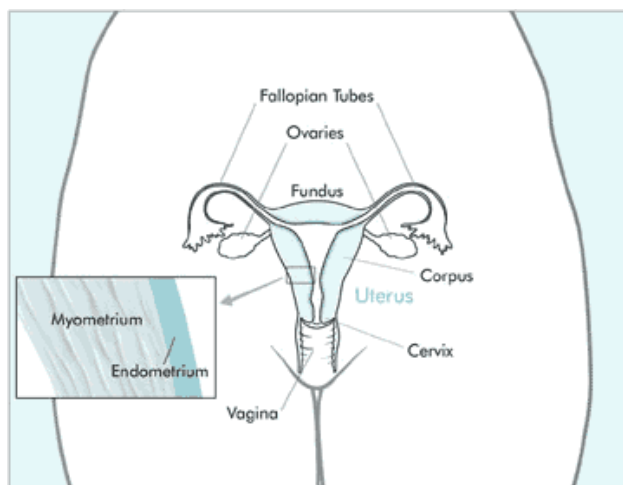
* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten.

CERVICAL CANCER

GENERAL PROFILE⁴

Figure 173. Anatomical Drawing of the Female Reproductive System⁴



General Anatomy: The cervix is the lower, narrow part of the uterus (womb). The uterus, a hollow, pear-shaped organ, is located in a woman's lower abdomen, between the bladder and the rectum. The cervix forms a canal that opens into the vagina, which leads to the outside of the body. Cells on the surface of the cervix sometimes appear abnormal but not cancerous. Scientists believe that some abnormal changes in cells on the cervix are the first step in a series of slow changes that can lead to cancer years later. If these changes form abnormal cells that spread deeper into the cervix or to other tissues or organs, the disease is then called cervical cancer, or invasive cervical cancer.

Risk Factors: Researchers believe that, in many cases, cervical cancer develops when two or more risk factors act together. These include: women who began having sexual intercourse before age 18, women who have had many sexual partners, women whose partners began having sexual intercourse at a young age, have had many sexual partners, or were previously married to women who had cervical cancer, some sexually transmitted human papillomaviruses (HPVs), smoking, women whose mothers were given the drug diethylstilbestrol (DES) during pregnancy to prevent miscarriage, weakened immune systems, and the use of oral contraceptives (the pill).

Signs and Symptoms: Precancerous changes of the cervix usually do not cause pain. In fact, they generally do not cause any symptoms until abnormal cervical cells become cancerous and invade nearby tissue, unless a woman has a pelvic exam and a Pap test. Symptoms include: abnormal bleeding (longer and heavier than usual), bleeding after menopause, and increased vaginal discharge.

Diagnosing the Cancer: Pap smear tests (early detection), colposcopy, endocervical curettage, conization, dilation and curettage.

Treatment: Surgery (hysterectomy), cryosurgery, cauterization, laser surgery, conization, radiation therapy, and chemotherapy.

Table 277. Cervical Cancer Screening by County/Region of Residence, Education, Age Group, and Income, Nevada Residents, 1997-2001

Responses	Answers						Total
	Yes			No			
	Number	Percent*	95% C.I.	Number	Percent*	95% C.I.	
Total							
Responses	5,339	95.3%	(94.7%-95.9%)	244	4.7%	(4.1%-5.3%)	5,583
County/Region of Residence							
Clark County	1,711	95.2%	(94.2%-96.2%)	82	4.8%	(3.8%-5.8%)	1,793
Washoe County	1,769	95.7%	(94.8%-96.6%)	79	4.3%	(3.4%-5.2%)	1,848
All Other Counties	1,859	95.7%	(94.8%-96.6%)	83	4.3%	(3.4%-5.2%)	1,942
Education							
Less than High School	457	88.6%	(85.8%-91.4%)	42	11.4%	(8.6%-14.2%)	499
High School	1,715	95.0%	(94.0%-96.0%)	95	5.0%	(4.0%-6.0%)	1,810
Some Post High School	1,885	96.2%	(95.4%-97.0%)	76	3.8%	(3.0%-4.6%)	1,961
College Graduate	1,270	97.3%	(96.4%-98.2%)	31	2.7%	(1.8%-3.6%)	1,301
Age Group							
18-24 years old	425	84.1%	(80.9%-87.3%)	83	15.9%	(12.7%-19.1%)	508
25-34 years old	1,008	96.1%	(94.9%-97.3%)	30	3.9%	(2.7%-5.1%)	1,038
35-44 years old	1,284	98.3%	(97.6%-99.0%)	22	1.7%	(1.0%-2.4%)	1,306
45-54 years old	1,033	98.6%	(97.9%-99.3%)	17	1.4%	(0.7%-2.1%)	1,050
55-64 years old	678	98.4%	(97.5%-99.3%)	14	1.6%	(0.7%-2.5%)	692
65+ years old	887	92.0%	(90.3%-93.7%)	76	8.0%	(6.3%-9.7%)	963
Income							
Less than \$15,000	605	92.9%	(90.9%-94.9%)	44	7.1%	(5.1%-9.1%)	649
\$15,000 - \$24,999	493	94.8%	(92.9%-96.7%)	33	5.2%	(3.3%-7.1%)	526
\$25,000 - \$34,999	820	95.2%	(93.8%-96.6%)	43	4.8%	(3.4%-6.2%)	863
\$35,000 - \$49,999	1,042	97.1%	(96.1%-98.1%)	21	2.9%	(1.9%-3.9%)	1,063
\$50,000 or More	1,546	98.0%	(97.3%-98.7%)	23	2.0%	(1.3%-2.7%)	1,569

*Denominator is persons age 18-64 and excludes missing, don't know, and refused responses.

Note: This table includes those respondents who answered "Yes" or "No" to the following question:

- 1) A Pap smear is a test for cancer of the cervix. Have you ever had a Pap smear?

Table 278. Cervical Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1997-2001)
Total						
Cases	497	367	81	49	0	8,983
Rate*	5.1	5.5	4.8	3.5	---	4.9
95% C.I.	(4.7-5.6)	(4.9-6.1)	(3.8-5.9)	(2.5-4.5)	---	(4.8-5.0)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
15-24	6	5	0	1	0	122
Rate*	---	---	---	---	---	0.5
95% C.I.	---	---	---	---	---	(0.4-0.6)
25-34	57	42	10	5	0	1,334
Rate*	3.9	4.0	3.9	---	---	4.6
95% C.I.	(2.9-4.9)	(2.8-5.1)	(1.5-6.4)	---	---	(4.3-4.8)
35-44	120	87	25	8	0	2,421
Rate*	7.7	8.3	8.8	---	---	7.7
95% C.I.	(6.3-9.1)	(6.6-10.1)	(5.4-12.3)	---	---	(7.4-8.1)
45-54	118	87	16	15	0	2,000
Rate*	9.2	10.3	6.8	7.5	---	8.7
95% C.I.	(7.5-10.8)	(8.1-12.4)	(3.5-10.1)	(3.7-11.3)	---	(8.4-9.1)
55-64	90	67	14	9	0	1,251
Rate*	9.8	10.8	9.3	---	---	8.9
95% C.I.	(7.8-11.9)	(8.2-13.4)	(4.4-14.2)	---	---	(8.4-9.4)
65-74	67	50	10	7	0	977
Rate*	10.4	11.6	9.8	---	---	8.5
95% C.I.	(7.9-12.9)	(8.4-14.8)	(3.7-15.8)	---	---	(7.9-9.0)
75-84	26	19	3	4	0	626
Rate*	7.4	8.1	---	---	---	8.6
95% C.I.	(4.6-10.2)	(4.5-11.8)	---	---	---	(7.9-9.3)
85+	13	10	3	0	0	251
Rate*	17.1	21.4	---	---	---	10.1
95% C.I.	(7.8-26.3)	(8.1-34.7)	---	---	---	(8.9-11.4)
Unknown	0	0	0	0	0	

* Rates are per 100,000 age-specific female population.

Note: The "----" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 279. Cervical Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	646	482	88	75	1
Rate*	6.7	7.4	5.2	5.1	---
95% C.I.	(6.1-7.2)	(6.7-8.1)	(4.2-6.4)	(4.0-6.5)	---
Gender					
Male	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
Female	646	482	88	75	1
Rate*	13.4	14.8	10.4	10.4	---
95% C.I.	(12.4-14.5)	(13.5-16.3)	(8.4-12.9)	(8.1-13.0)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$14,651,235	\$10,696,558	\$2,200,110	\$1,734,990	\$19,577
Average Charges	\$22,680	\$22,192	\$25,001	\$23,133	\$19,577
Median Charges	\$17,697	\$17,627	\$21,637	\$15,836	\$19,577
Discharge Length of Stay (LOS) (Days)					
Total LOS	3,125	2,409	373	339	---
Average LOS	4.8	5.0	4.2	4.5	---
Median LOS	3.0	4.0	3.0	3.0	---

* Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 280. Cervical Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	140	108	18	14
Rate*	1.4	1.6	1.1	1.0
95% C.I.	(1.2-1.7)	(1.3-1.9)	(0.6-1.6)	(0.5-1.5)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	6	5	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	24	20	2	2
Rate*	1.5	1.9	---	---
95% C.I.	(0.9-2.2)	(1.1-2.7)	---	---
45-54	39	31	4	4
Rate*	3.0	3.7	---	---
95% C.I.	(2.1-4.0)	(2.4-5.0)	---	---
55-64	26	21	2	3
Rate*	2.8	3.4	---	---
95% C.I.	(1.7-3.9)	(1.9-4.8)	---	---
65-74	24	17	4	3
Rate*	3.7	3.9	---	---
95% C.I.	(2.2-5.2)	(2.1-5.8)	---	---
75-84	13	9	2	2
Rate*	3.7	---	---	---
95% C.I.	(1.7-5.7)	---	---	---
85+	8	5	3	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Unknown	0	0	0	0

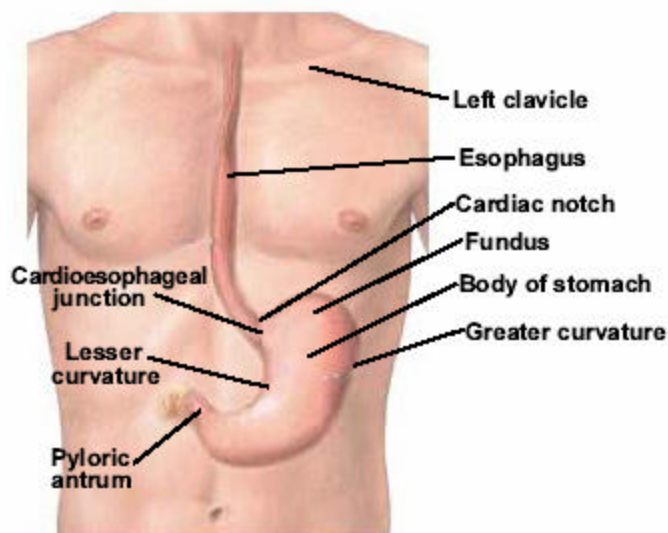
* Rates are per 100,000 age-specific female population.

Note: The "—" is used for rates calculated on numbers less than ten.

ESOPHAGEAL CANCER

GENERAL PROFILE⁴

Figure 174. Anatomical Drawing of the Esophagus and Stomach⁵



General Anatomy: The esophagus is a hollow tube that carries food and liquids from the throat to the stomach. When a person swallows, the muscular walls of the esophagus contract to push food down into the stomach. Glands in the lining of the esophagus produce mucus, which keeps the passageway moist and makes swallowing easier. The esophagus is located just behind the trachea (windpipe). In an adult, the esophagus is about 10 inches long.

Risk Factors: Age (over 60 years of age), male gender, tobacco use, chronic and/or heavy alcohol use, Barrett's Esophagus (Long-term irritation from gastric reflux), and medical history. Other problems that may increase the risk of developing Esophageal Cancer include the intake of substances that may irritate or damage the lining of the esophagus, such as swallowing lye or other caustic substances.

Signs and Symptoms: Difficult or painful swallowing, severe weight loss, pain in the throat or back, pain behind the breastbone or between the shoulder blades, hoarseness or chronic cough, vomiting, and coughing up blood.

Diagnosing the Cancer: Barium swallow x-rays (also called an esophagram), biopsy procedures (esophagoscopy/endoscopy), computed tomography (CAT) scan, bone scan, and bronchoscopy are common ways of diagnosing this type of cancer.

Treatment: Surgery (esophagectomy), radiation therapy, chemotherapy, laser therapy, and photodynamic therapy (PDT).

Table 281. Esophageal Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1997-2001)
Total						
Cases	481	331	73	77	0	7,772
Rate*	4.9	5.0	4.3	5.5	---	4.2
95% C.I.	(4.5-5.4)	(4.4-5.5)	(3.4-5.3)	(4.3-6.7)	---	(4.1-4.3)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
15-24	1	1	0	0	0	8
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
25-34	0	0	0	0	0	32
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.1-0.1)
35-44	17	13	1	3	0	208
Rate*	1.1	1.2	---	---	---	0.7
95% C.I.	(0.6-1.6)	(0.6-1.9)	---	---	---	(0.6-0.8)
45-54	49	36	3	10	0	941
Rate*	3.8	4.3	---	5.0	---	4.1
95% C.I.	(2.7-4.9)	(2.9-5.6)	---	(1.9-8.1)	---	(3.8-4.4)
55-64	140	92	31	17	0	1,694
Rate*	15.3	14.8	20.7	11.8	---	12.1
95% C.I.	(12.7-17.8)	(11.8-17.8)	(13.4-27.9)	(6.2-17.4)	---	(11.5-12.7)
65-74	153	98	25	30	0	2,415
Rate*	23.8	22.7	24.4	28.0	---	20.9
95% C.I.	(20.0-27.6)	(18.2-27.1)	(14.8-33.9)	(18.0-38.0)	---	(20.1-21.8)
75-84	102	80	9	13	0	1,879
Rate*	29.0	34.3	---	21.7	---	25.9
95% C.I.	(23.4-34.7)	(26.7-41.8)	---	(9.9-33.5)	---	(24.7-27.0)
85+	19	11	4	4	0	593
Rate*	24.9	23.6	---	---	---	23.9
95% C.I.	(13.7-36.1)	(9.6-37.5)	---	---	---	(22.0-25.8)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 282. Esophageal Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	297	220	36	41	0
Rate*	3.2	3.6	2.4	2.7	---
95% C.I.	(2.9-3.6)	(3.1-4.1)	(1.7-3.4)	(1.9-3.7)	---
Gender					
Male	224	165	28	31	0
Rate*	5.1	5.6	4.0	4.1	---
95% C.I.	(4.4-5.9)	(4.7-6.6)	(2.6-6.2)	(2.7-6.1)	---
Female	73	55	8	10	0
Rate*	1.6	1.7	---	1.3	---
95% C.I.	(1.2-2.0)	(1.3-2.3)	---	(0.6-2.5)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$13,057,012	\$10,067,242	\$1,370,392	\$1,619,378	---
Average Charges	\$43,963	\$45,760	\$38,066	\$39,497	---
Median Charges	\$24,273	\$25,575	\$28,728	\$18,475	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	2,974	2,303	305	366	---
Average LOS	10.0	10.5	8.5	8.9	---
Median LOS	7.0	7.0	7.0	6.0	---

* Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Note: The “---” is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 283. Esophageal Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	384	268	68	48
Rate*	3.9	4.0	4.1	3.4
95% C.I.	(3.5-4.3)	(3.5-4.5)	(3.1-5.0)	(2.5-4.4)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	10	9	1	0
Rate*	0.6	---	---	---
95% C.I.	(0.2-1.0)	---	---	---
45-54	30	25	2	3
Rate*	2.3	3.0	---	---
95% C.I.	(1.5-3.2)	(1.8-4.1)	---	---
55-64	123	79	26	18
Rate*	13.4	12.7	17.3	12.5
95% C.I.	(11.1-15.8)	(9.9-15.5)	(10.7-24.0)	(6.7-18.2)
65-74	118	76	24	18
Rate*	18.4	17.6	23.4	16.8
95% C.I.	(15.1-21.7)	(13.6-21.5)	(14.0-32.8)	(9.0-24.5)
75-84	88	70	11	7
Rate*	25.1	30.0	19.0	---
95% C.I.	(19.8-30.3)	(23.0-37.0)	(7.8-30.3)	---
85+	15	9	4	2
Rate*	19.7	---	---	---
95% C.I.	(9.7-29.6)	---	---	---
Unknown	0	0	0	0

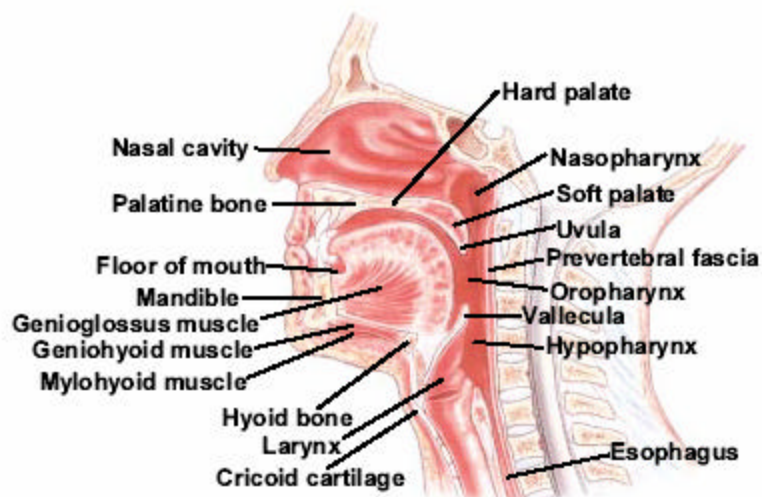
* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten.

LARYNX CANCER

GENERAL PROFILE⁴

Figure 175. Anatomy of the Oral Cavity⁵



General Anatomy: The larynx, also called the voice box, is a 2-inch-long, tube-shaped organ made of cartilage in the neck. The larynx is used for breathing, talking, and swallowing. The larynx is situated at the top of the windpipe (trachea). The large cartilage that forms the front of the larynx is sometimes called the Adam's apple. The vocal cords, which are two bands of muscle, form a "V" inside the larynx.

Risk Factors: Cancer of the Larynx occurs most often in people over the age of 55, men, Blacks, smokers, and those who work with asbestos.

Signs and Symptoms: The symptoms of Cancer of the Larynx depend mainly on the size and location of the tumor. Most Cancers of the Larynx begin on the vocal cords. These tumors are seldom painful, but they almost always cause hoarseness or other changes in the voice. Tumors in the area above the vocal cords may cause a lump on the neck, a sore throat, or an earache. Tumors that begin in the area below the vocal cords are rare. They can make it hard to breathe, and breathing may be noisy.

A cough that doesn't go away or the feeling of a lump in the throat may also be warning signs of Cancer of the Larynx. As the tumor grows, it may cause pain, weight loss, bad breath, and frequent choking on food. In some cases, a tumor in the larynx can make it hard to swallow.

Diagnosing the Cancer: Direct and indirect laryngoscopy, computed tomography (CAT) scan, and magnetic resonance imaging (MRI) are some common ways of diagnosing cancer of the larynx.

Treatment: Radiation therapy, surgery (partial or total laryngectomy), and chemotherapy are the most common treatment options for those diagnosed with Larynx Cancer.

Table 284. Larynx Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1997-2001)
Total						
Cases	348	224	69	55	0	6,510
Rate*	3.6	3.4	4.1	3.9	---	3.5
95% C.I.	(3.2-3.9)	(2.9-3.8)	(3.1-5.1)	(2.9-5.0)	---	(3.4-3.6)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
15-24	0	0	0	0	0	5
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
25-34	3	2	1	0	0	22
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.0-0.1)
35-44	9	3	4	2	0	257
Rate*	---	---	---	---	---	0.8
95% C.I.	---	---	---	---	---	(0.7-0.9)
45-54	55	34	13	8	0	975
Rate*	4.3	4.0	5.5	---	---	4.3
95% C.I.	(3.2-5.4)	(2.7-5.4)	(2.5-8.5)	---	---	(4.0-4.5)
55-64	106	77	17	12	0	1,764
Rate*	11.6	12.4	11.3	8.3	---	12.6
95% C.I.	(9.4-13.8)	(9.6-15.2)	(5.9-16.7)	(3.6-13.0)	---	(12.0-13.2)
65-74	98	59	15	24	0	2,054
Rate*	15.3	13.6	14.6	22.4	---	17.8
95% C.I.	(12.2-18.3)	(10.2-17.1)	(7.2-22.0)	(13.4-31.3)	---	(17.0-18.6)
75-84	67	44	17	6	0	1,185
Rate*	19.1	18.8	29.4	---	---	16.3
95% C.I.	(14.5-23.6)	(13.3-24.4)	(15.4-43.4)	---	---	(15.4-17.2)
85+	10	5	2	3	0	247
Rate*	13.1	---	---	---	---	10.0
95% C.I.	(5.0-21.2)	---	---	---	---	(8.7-11.2)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 285. Larynx Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	203	132	40	31	0
Rate*	2.2	2.2	2.5	2.0	---
95% C.I.	(1.9-2.5)	(1.8-2.6)	(1.8-3.5)	(1.4-2.9)	---
Gender					
Male	160	105	27	28	0
Rate*	3.6	3.7	3.2	3.6	---
95% C.I.	(3.0-4.3)	(3.0-4.7)	(2.1-5.1)	(2.4-5.5)	---
Female	43	27	13	3	0
Rate*	0.9	0.8	1.7	---	---
95% C.I.	(0.7-1.2)	(0.5-1.2)	(0.9-2.9)	---	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$8,375,014	\$5,935,608	\$1,505,441	\$933,965	---
Average Charges	\$41,256	\$44,967	\$37,636	\$30,128	---
Median Charges	\$30,842	\$33,384	\$32,094	\$25,649	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	2,005	1,325	414	266	---
Average LOS	9.9	10.0	10.4	8.6	---
Median LOS	8.0	7.0	9.5	7.0	---

* Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 286. Larynx Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	124	88	16	20
Rate*	1.3	1.3	1.0	1.4
95% C.I.	(1.0-1.5)	(1.0-1.6)	(0.5-1.4)	(0.8-2.1)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	10	7	1	2
Rate*	0.8	---	---	---
95% C.I.	(0.3-1.3)	---	---	---
55-64	33	27	2	4
Rate*	3.6	4.3	---	---
95% C.I.	(2.4-4.8)	(2.7-6.0)	---	---
65-74	42	28	5	9
Rate*	6.5	6.5	---	---
95% C.I.	(4.6-8.5)	(4.1-8.9)	---	---
75-84	30	22	5	3
Rate*	8.5	9.4	---	---
95% C.I.	(5.5-11.6)	(5.5-13.4)	---	---
85+	8	3	3	2
Rate*	---	---	---	---
95% C.I.	---	---	---	---

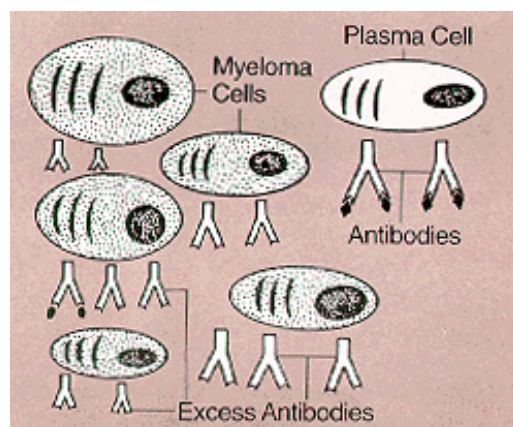
* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten.

MULTIPLE MYELOMA

GENERAL PROFILE⁴

Figure 176. Picture of Myeloma Cells⁴



General Anatomy: Multiple Myeloma affects specific white blood cells, known as plasma cells, that are part of the body's immune system. Plasma cells begin their development in the bone marrow and help the immune system fight infection and disease by producing antibodies. When cancer involves plasma cells, the body keeps producing more and more of these cells. The unneeded plasma cells -- all abnormal and all exactly alike -- are called myeloma cells. Myeloma cells tend to collect in the bone marrow and in the hard, outer part of bones. Sometimes they collect in only one bone and form a single mass, or tumor, called a plasmacytoma. In most cases, however, the myeloma cells collect in many bones, often forming many tumors and causing other problems. When this happens, the disease is called multiple myeloma.

Risk Factors: While the cause is unknown, the majority of multiple myeloma patients are between 50 and 70 years of age. This disease disproportionately affects Blacks, as a racial/ethnic group, and men. Those with a family history of multiple myeloma, and those exposed to certain chemicals and radiation, seem to have a slightly higher risk of developing this type of cancer. In most cases, people who develop multiple myeloma have no clear risk factors. This disease may be the result of several factors (known and/or unknown) acting together.

Signs and Symptoms: Symptoms of multiple myeloma depend on the stage of the disease. In the earliest stage of the disease, there may be no symptoms. When symptoms do occur, patients commonly have bone pain in the back or ribs, broken bones, weakness, fatigue, weight loss, or repeated infections. With advanced disease, symptoms may include nausea, vomiting, constipation, urination problems, and weakness or numbness in the legs.

Diagnosing the Cancer: X-rays, blood and urine tests (high levels of antibody proteins), bone marrow aspiration and/or bone marrow biopsy.

Treatment: Chemotherapy, radiation therapy, and secondary surgical procedures, bone marrow transplantation, peripheral stem cell support, and treatment with colony-stimulating factors.

Table 287. Multiple Myeloma Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1997-2001)
Total						
Cases	372	222	96	54	0	9,539
Rate*	3.8	3.3	5.7	3.9	---	5.2
95% C.I.	(3.4-4.2)	(2.9-3.8)	(4.6-6.9)	(2.8-4.9)	---	(5.0-5.3)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
15-24	0	0	0	0	0	5
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
25-34	0	0	0	0	0	59
Rate*	---	---	---	---	---	0.2
95% C.I.	---	---	---	---	---	(0.2-0.3)
35-44	14	10	1	3	0	318
Rate*	0.9	1.0	---	---	---	1.0
95% C.I.	(0.4-1.4)	(0.4-1.5)	---	---	---	(0.9-1.1)
45-54	49	33	11	5	0	1,074
Rate*	3.8	3.9	4.7	---	---	4.7
95% C.I.	(2.7-4.9)	(2.6-5.2)	(1.9-7.4)	---	---	(4.4-5.0)
55-64	87	51	18	18	0	1,779
Rate*	9.5	8.2	12.0	12.5	---	12.7
95% C.I.	(7.5-11.5)	(6.0-10.5)	(6.5-17.5)	(6.7-18.2)	---	(12.1-13.3)
65-74	115	66	34	15	0	2,727
Rate*	17.9	15.3	33.2	14.0	---	23.6
95% C.I.	(14.6-21.2)	(11.6-18.9)	(22.0-44.3)	(6.9-21.1)	---	(22.7-24.5)
75-84	82	46	24	12	0	2,706
Rate*	23.3	19.7	41.5	20.0	---	37.2
95% C.I.	(18.3-28.4)	(14.0-25.4)	(24.9-58.1)	(8.7-31.4)	---	(35.8-38.6)
85+	22	15	6	1	0	871
Rate*	28.9	32.1	---	---	---	35.1
95% C.I.	(16.8-40.9)	(15.9-48.4)	---	---	---	(32.8-37.5)
Unknown	3	1	2	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 288. Multiple Myeloma Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	321	202	83	36	0
Rate*	3.5	3.3	5.4	2.3	---
95% C.I.	(3.1-3.9)	(2.9-3.8)	(4.3-6.8)	(1.6-3.3)	---
Gender					
Male	193	117	53	23	0
Rate*	4.4	4.1	7.6	2.9	---
95% C.I.	(3.8-5.2)	(3.3-5.0)	(5.6-10.3)	(1.8-4.7)	---
Female	128	85	30	13	0
Rate*	2.7	2.7	3.8	1.7	---
95% C.I.	(2.2-3.2)	(2.1-3.4)	(2.5-5.4)	(0.9-3.0)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$11,628,151	\$7,905,231	\$2,849,854	\$873,066	---
Average Charges	\$36,225	\$39,135	\$34,336	\$24,252	---
Median Charges	\$22,694	\$24,325	\$20,778	\$18,079	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	2,926	1,842	826	258	---
Average LOS	9.1	9.1	10.0	7.2	---
Median LOS	8.0	8.0	7.0	7.0	---

* Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 289. Multiple Myeloma Mortality by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	261	167	62	32
Rate*	2.7	2.5	3.7	2.3
95% C.I.	(2.4-3.0)	(2.1-2.9)	(2.8-4.6)	(1.5-3.1)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	3	3	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	22	19	2	1
Rate*	1.7	2.2	---	---
95% C.I.	(1.0-2.4)	(1.2-3.3)	---	---
55-64	57	33	13	11
Rate*	6.2	5.3	8.7	7.6
95% C.I.	(4.6-7.8)	(3.5-7.1)	(4.0-13.4)	(3.1-12.1)
65-74	85	47	26	12
Rate*	13.2	10.9	25.4	11.2
95% C.I.	(10.4-16.0)	(7.8-14.0)	(15.6-35.1)	(4.9-17.5)
75-84	76	53	16	7
Rate*	21.6	22.7	27.7	---
95% C.I.	(16.8-26.5)	(16.6-28.8)	(14.1-41.2)	---
85+	18	12	5	1
Rate*	23.6	25.7	---	---
95% C.I.	(12.7-34.5)	(11.2-40.2)	---	---
Unknown	0	0	0	0

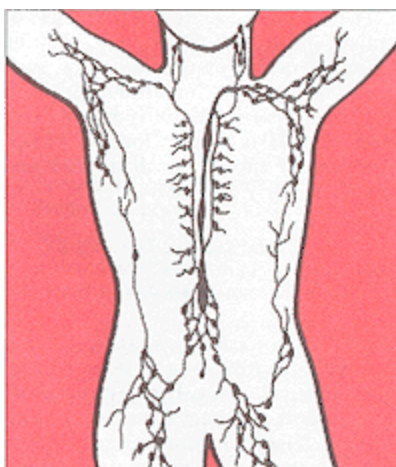
* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten.

HODGKIN'S LYMPHOMA

GENERAL PROFILE⁴

Figure 177. Anatomy of the Lymphatic System⁴



General Anatomy: Lymphoma is a general term for cancers that develop in the lymphatic system. The lymphatic system is part of the body's immune system that helps the body fight disease and infection and includes a network of thin tubes (lymphatic vessels) that branch, like blood vessels, into tissues throughout the body. These vessels carry lymph, a colorless, watery fluid that contains infection-fighting cells called lymphocytes. Along this network of vessels are small organs called lymph nodes that are found in the underarms, groin, neck, chest, and abdomen. Other parts of the lymphatic system are the spleen, thymus, tonsils, and bone marrow. Lymphatic tissue is also found in other parts of the body, including the stomach, intestines, and skin.

Hodgkin's disease, an uncommon lymphoma, accounts for less than 1 percent of all cases of cancer in the United States. This type of cancer tends to spread in a fairly orderly way from one group of lymph nodes to the next group. For example, Hodgkin's disease that arises in the lymph nodes in the neck spreads first to the nodes above the collarbones, and then to the lymph nodes under the arms and within the chest. Eventually, it can spread to almost any other part of the body.

Risk Factors: Common risk factors that are believed to be associated with the development of Hodgkin's Lymphoma are: age (between 15 and 34 and over 55 years of age), male gender, family history, and certain viruses (such as Epstein-Barr virus).

Signs and Symptoms: A painless swelling in the lymph nodes in the neck, underarm, or groin, unexplained recurrent fevers, night sweats, unexplained weight loss, and itchy skin are some common symptoms that can be associated with Hodgkin's Lymphoma.

Diagnosing the Cancer: X-rays, computed tomography (CAT) scan, and magnetic resonance imaging (MRI), and biopsy (Reed-Sternberg cells in lymph node tissue).

Treatment: Radiation therapy and chemotherapy are the most common treatments, but others include bone marrow transplantation, peripheral stem cell transplantation, and biological therapies being studied in clinical trials.

Table 290. Hodgkin's Lymphoma Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1997-2001)
Total						
Cases	214	143	42	29	0	5,101
Rate*	2.2	2.1	2.5	2.1	---	2.8
95% C.I.	(1.9-2.5)	(1.8-2.5)	(1.7-3.3)	(1.3-2.8)	---	(2.7-2.8)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	12
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.0-0.2)
5-14	7	4	2	1	0	229
Rate*	---	---	---	---	---	0.9
95% C.I.	---	---	---	---	---	(0.7-1.0)
15-24	33	22	6	5	0	944
Rate*	2.5	2.4	---	---	---	3.7
95% C.I.	(1.6-3.3)	(1.4-3.4)	---	---	---	(3.4-3.9)
25-34	49	34	12	3	0	1,188
Rate*	3.3	3.2	4.7	---	---	4.1
95% C.I.	(2.4-4.3)	(2.1-4.3)	(2.0-7.4)	---	---	(3.8-4.3)
35-44	37	26	6	5	0	957
Rate*	2.4	2.5	---	---	---	3.1
95% C.I.	(1.6-3.1)	(1.5-3.4)	---	---	---	(2.9-3.3)
45-54	36	23	9	4	0	594
Rate*	2.8	2.7	---	---	---	2.6
95% C.I.	(1.9-3.7)	(1.6-3.8)	---	---	---	(2.4-2.8)
55-64	21	14	3	4	0	411
Rate*	2.3	2.3	---	---	---	2.9
95% C.I.	(1.3-3.3)	(1.1-3.4)	---	---	---	(2.7-3.2)
65-74	21	12	4	5	0	392
Rate*	3.3	2.8	---	---	---	3.4
95% C.I.	(1.9-4.7)	(1.2-4.3)	---	---	---	(3.1-3.7)
75-84	7	7	0	0	0	289
Rate*	---	---	---	---	---	4.0
95% C.I.	---	---	---	---	---	(3.5-4.4)
85+	3	1	0	2	0	84
Rate*	---	---	---	---	---	3.4
95% C.I.	---	---	---	---	---	(2.7-4.1)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 291. Hodgkin's Lymphoma Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	116	87	19	10	0
Rate*	1.2	1.3	1.2	0.7	---
95% C.I.	(1.0-1.4)	(1.0-1.6)	(0.7-1.9)	(0.3-1.4)	---
Gender					
Male	63	51	10	2	0
Rate*	1.3	1.5	1.2	---	---
95% C.I.	(1.0-1.7)	(1.1-2.1)	(0.6-2.6)	---	---
Female	53	36	9	8	0
Rate*	1.1	1.1	---	---	---
95% C.I.	(0.8-1.5)	(0.8-1.5)	---	---	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$4,349,602	\$3,262,003	\$796,484	\$291,115	---
Average Charges	\$37,497	\$37,494	\$41,920	\$29,112	---
Median Charges	\$19,402	\$20,576	\$19,513	\$15,939	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	927	720	149	58	---
Average LOS	8.0	8.3	7.8	5.8	---
Median LOS	5.0	5.0	5.0	4.5	---

* Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Note: The "—" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 292. Hodgkin's Lymphoma Mortality by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	38	23	8	7
Rate*	0.4	0.3	0.5	0.5
95% C.I.	(0.3-0.5)	(0.2-0.5)	(0.1-0.8)	(0.1-0.9)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	2	1	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	4	4	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	3	2	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	8	2	5	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
55-64	3	2	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
65-74	14	9	2	3
Rate*	2.2	---	---	---
95% C.I.	(1.0-3.3)	---	---	---
75-84	3	3	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
85+	1	0	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten.

ALL OTHER SITES

Table 293. Cancer Cases for All Other Sites by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1997-2001)
Total						
Cases	2,749	1,863	483	402	1	57,238
Rate*	28.2	28.0	28.8	28.8	---	30.9
95% C.I.	(27.2-29.3)	(26.7-29.2)	(26.2-31.3)	(26.0-31.6)	---	(30.7-31.2)
Age Group						
<1	13	9	1	3	0	317
Rate*	8.9	---	---	---	---	11.4
95% C.I.	(4.1-13.8)	---	---	---	---	(10.2-12.7)
1-4	15	12	0	3	0	461
Rate*	2.6	3.0	---	---	---	4.1
95% C.I.	(1.3-4.0)	(1.3-4.7)	---	---	---	(3.8-4.5)
5-14	35	23	6	6	0	674
Rate*	2.5	2.4	---	---	---	2.5
95% C.I.	(1.7-3.4)	(1.4-3.4)	---	---	---	(2.3-2.7)
15-24	77	48	15	13	1	1,861
Rate*	5.7	5.2	6.5	7.0	---	7.2
95% C.I.	(4.4-7.0)	(3.7-6.6)	(3.2-9.8)	(3.2-10.8)	---	(6.9-7.5)
25-34	151	111	26	14	0	3,737
Rate*	10.2	10.4	10.2	8.9	---	12.8
95% C.I.	(8.6-11.9)	(8.5-12.4)	(6.3-14.1)	(4.2-13.6)	---	(12.4-13.2)
35-44	207	144	45	18	0	5,333
Rate*	13.3	13.8	15.9	8.0	---	17.1
95% C.I.	(11.5-15.1)	(11.5-16.0)	(11.2-20.5)	(4.3-11.6)	---	(16.6-17.5)
45-54	343	236	65	42	0	6,562
Rate*	26.7	27.9	27.5	20.9	---	28.7
95% C.I.	(23.9-29.5)	(24.3-31.4)	(20.8-34.2)	(14.6-27.2)	---	(28.0-29.4)
55-64	472	325	77	70	0	7,941
Rate*	51.5	52.3	51.3	48.4	---	56.7
95% C.I.	(46.9-56.2)	(46.6-58.0)	(39.8-62.7)	(37.1-59.8)	---	(55.5-58.0)
65-74	668	456	108	104	0	11,710
Rate*	104.0	105.4	105.3	97.0	---	101.5
95% C.I.	(96.1-111.9)	(95.8-115.1)	(85.5-125.2)	(78.4-115.7)	---	(99.7-103.3)
75-84	599	383	109	107	0	12,714
Rate*	170.5	164.0	188.5	178.6	---	174.9
95% C.I.	(156.9-184.2)	(147.6-180.4)	(153.1-223.9)	(144.8-212.5)	---	(171.9-178.0)
85+	168	115	31	22	0	5,928
Rate*	220.4	246.3	199.9	156.8	---	239.0
95% C.I.	(187.0-253.7)	(201.3-291.3)	(129.5-270.2)	(91.3-222.3)	---	(232.9-245.1)
Unknown	1	1	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 294. Inpatient Discharges for All Other Sites by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	7,828	5,552	1,323	949	4
Rate*	86.1	90.7	87.6	64.8	---
95% C.I.	(84.2-88.1)	(88.3-93.2)	(82.9-92.5)	(60.7-69.1)	---
Gender					
Male	3,543	2,496	578	466	3
Rate*	82.8	86.5	83.0	66.9	---
95% C.I.	(79.9-85.7)	(82.9-90.3)	(76.0-90.6)	(60.7-73.7)	---
Female	4,285	3,056	745	483	1
Rate*	90.8	96.4	93.3	64.0	---
95% C.I.	(88.1-93.6)	(93.0-99.9)	(86.7-100.3)	(58.4-70.0)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$227,286,686	\$170,120,375	\$34,782,493	\$22,175,687	\$208,131
Average Charges	\$29,035	\$30,641	\$26,291	\$23,367	\$52,033
Median Charges	\$19,384	\$20,334	\$17,939	\$15,887	\$48,534
Discharge Length of Stay (LOS) (Days)					
Total LOS	57,308	41,112	9,854	6,289	53
Average LOS	7.3	7.4	7.4	6.6	13.3
Median LOS	5.0	5.0	6.0	5.0	11.5

* Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Note: The “---” is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 295. All Other Sites Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	2,030	1,282	382	366
Rate*	20.8	19.2	22.8	26.2
95% C.I.	(19.9-21.8)	(18.2-20.3)	(20.5-25.0)	(23.5-28.9)
Age Group				
<1	2	2	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	3	2	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	11	7	3	1
Rate*	0.8	---	---	---
95% C.I.	(0.3-1.3)	---	---	---
15-24	6	3	1	2
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	27	22	3	2
Rate*	1.8	2.1	---	---
95% C.I.	(1.1-2.5)	(1.2-2.9)	---	---
35-44	65	44	8	13
Rate*	4.2	4.2	---	5.7
95% C.I.	(3.2-5.2)	(3.0-5.4)	---	(2.6-8.9)
45-54	168	118	22	28
Rate*	13.1	13.9	9.3	13.9
95% C.I.	(11.1-15.1)	(11.4-16.5)	(5.4-13.2)	(8.8-19.1)
55-64	371	248	58	65
Rate*	40.5	39.9	38.6	45.0
95% C.I.	(36.4-44.6)	(34.9-44.9)	(28.7-48.6)	(34.0-55.9)
65-74	615	385	123	107
Rate*	95.8	89.0	120.0	99.8
95% C.I.	(88.2-103.3)	(80.1-97.9)	(98.8-141.2)	(80.9-118.7)
75-84	547	324	120	103
Rate*	155.7	138.7	207.5	171.9
95% C.I.	(142.7-168.8)	(123.6-153.8)	(170.4-244.6)	(138.7-205.2)
85+	215	127	44	44
Rate*	282.0	272.0	283.7	313.6
95% C.I.	(244.3-319.7)	(224.7-319.3)	(199.9-367.5)	(220.9-406.2)
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten.

APPENDIX A – CODES USED FOR GROUPING

One of the challenges of this report was to combine information on cancer from several different sources and develop a comprehensive report that details the burden and risk of cancer in the State of Nevada. To add to the complexity of it all, each data source did not use identical coding to identify each type of cancer.

The Nevada Central Cancer Registry uses the International Classification of Diseases – Oncology (ICD-O) coding system that is then broken down into the Topography, or Primary Site, as well as the Morphology of the specific cancer. The Topography section of the ICD-O coding structure is fairly comparable to the ICD-10 mortality classification system, with very little variation between the two systems. However, there are some variations, so this report uses the ICD-O coding structure as the primary source for identifying the type of cancer for this report.

The ICD-10 structure was implemented in 1999 for the coding of the underlying cause of death. However, for the 1997 to 1998 data that are used for this report, the mortality database used the ICD-9 mortality coding structure, which is a different structured system, but is fairly comparable to the ICD-10 revision. However, for this report, due to the variations between the ICD-O and ICD-10 coding structures and the fact that the ICD-O system is the primary one used, there have not been any adjustments made to account for potential coding differences that may have occurred due to the change from the ICD-9 to the ICD-10 system in 1999 for all mortality data used in this report.

The ICD-9 coding structure is also used by the inpatient hospital discharge (UB92) database that was used to provide the inpatient discharge statistics for this report. However, all of the 1997 to 2001 hospital discharge data listed in this report is based upon the ICD-9 coding system.

The following pages detail the codes used for each type of coding structure present in the data used for this report. The codes used to identify the leading types of cancer for this report are highlighted. Those not falling under any of the highlighted leading groups were categorized into the All Other Sites grouping.

Table 296. ICD-O Codes Used

Type of Cancer	ICD-O Codes		
	Topography	Morphology	Excluding (M = Morphology)
Total	Sum	Sum	---
Lip, Oral Cavity and Pharynx	Sum of subgroups		
Lip	C00		M-9590:9989
Base of Tongue	C01		M-9590:9989
Other & Unspecified Parts of Tongue	C02		M-9590:9989
Parotid Gland	C07		M-9590:9989
Other & Unspecified Major Salivary glands	C08		M-9590:9989
Floor of Mouth	C04		M-9590:9989
Gum	C03		M-9590:9989
Palate	C05		M-9590:9989
Other & Unspecified Parts of Mouth	C06		M-9590:9989
Nasopharynx	C11		M-9590:9989
Tonsil	C09		M-9590:9989
Oropharynx	C10		M-9590:9989
Pyriform Sinus	C12		M-9590:9989
Hypopharynx	C13		M-9590:9989
Other & Unspecified Oral (Buccal) Cavity & Pharynx	C14		M-9590:9989
Digestive System	Sum of Subgroups		
Esophagus	C15		M-9590:9989
Stomach	C16		M-9590:9989
Small Intestine	C17		
Colorectal	Sum of Colon, Rectum, Rectosigmoid Junction, Anus, Anal Canal and Anorectum		
Colon (excluding Rectum)	Sum of Subgroups		
Cecum	C18.0		M-9590:9989
Appendix	C18.1		M-9590:9989
Ascending Colon	C18.2		M-9590:9989
Hepatic Flexure	C18.3		M-9590:9989
Transverse Colon	C18.4		M-9590:9989
Splenic Flexure	C18.5		M-9590:9989
Descending Colon	C18.6		M-9590:9989
Sigmoid Colon	C18.7		M-9590:9989
Large Intestine, NOS	C18.8-C18.9, C26.0		M-9590:9989
Rectum	C20		M-9590:9989
Rectosigmoid Junction	C19		M-9590:9989
Anus, Anal Canal and Anorectum	C21		M-9590:9989
Liver	C22.0		M-9590:9989
Intrahepatic Bile Ducts	C22.1		M-9590:9989
Gallbladder	C23		M-9590:9989
Other & Unspecified Biliary Tract	C24		M-9590:9989
Pancreas	C25		M-9590:9989
Retroperitoneum	C48.0		M-9590:9989
Peritoneum, Omentum and Mesentery	C48.1-C48.2		M-9590:9989
Other Digestive Organs	C26.8-C26.9, C48.8		M-9590:9989
Respiratory System	Sum of Subgroups		
Nasal Cavity and Middle Ear	C30		M-9590:9989
Accessory Sinuses	C31		M-9590:9989
Larynx	C32		M-9590:9989
Lung and Bronchus	C34		M-9590:9989
Pleura	C38.4		M-9590:9989
Trachea	C33		M-9590:9989
Mediastinum and Other Respiratory Organs	C38.1, C38.3, C38.8, C39		M-9590:9989
Bones, Joints and Articular Cartilage	Sum of Subgroups		
Bones, Joints & Articular Cartilage of Limbs	C40		M-9590:9989
Bones, Joints & Articular Cartilage of Other & Unspec Sites	C41		M-9590:9989
Soft Tissue (Including Heart)	Sum of Subgroups		
Heart	C38.0		M-9590:9989
Peripheral Nerves & Autonomic Nervous System	C47		M-9590:9989
Connective, Subcutaneous & Other Soft Tissues	C49		M-9590:9989

Table 296. ICD-O Codes Used (Continued)

Type of Cancer	ICD-O Codes		
	Topography	Morphology	Excluding (M = Morphology)
Skin (Excluding Basal And Squamous)	Sum of Subgroups		
Melanomas Of The Skin	C44	8720-8790	
Other Non-Epithelial Skin	C44		M-8000:8004, 8010:8045, 8050:8082, 8090:8110, 8720:8790,
Breast	C50		M-9590:9989
Female Genital System	Sum of Subgroups		
Cervix Uteri	C53		M-9590:9989
Corpus Uteri & Uterus, NOS	Sum of Corpus Uteri and Uterus, NOS		
Corpus Uteri	C54		M-9590:9989
Uterus, NOS	C55		M-9590:9989
Ovary	C56		M-9590:9989
Vagina	C52		M-9590:9989
Vulva	C51		M-9590:9989
Placenta	C58		M-9590:9989
Other Female Genital Organs	C57		M-9590:9989
Male Genital System	Sum of Subgroups		
Prostate	C61		M-9590:9989
Testis	C62		M-9590:9989
Penis	C60		M-9590:9989
Other Male Genital Organs	C63		M-9590:9989
Urinary System	Sum of Subgroups		
Urinary Bladder	C67		M-9590:9989
Kidney and Renal Pelvis	Sum of Kidney and Renal Pelvis		
Kidney	C64		M-9590:9989
Renal Pelvis	C65		M-9590:9989
Ureter	C66		M-9590:9989
Other Urinary Organs	C68		M-9590:9989
Eye and Orbit	C69		
Brain and Other Central Nervous System	Sum of Subgroups		
Brain	C71		M-9530:9539, 9590:9989
Meninges	C70		M-9590:9989
Spinal Cord, Cranial Nerves, & Other Parts of CNS	C72	C71 & M-9530:9539	M-9590:9989
Endocrine System	Sum of Subgroups		
Thyroid Gland	C73		
Adrenal Gland	C74		
Other Endocrine (Including Thymus)	C37, C75		M-9590:9989
Hodgkin's Lymphoma		M-9650:9667	
Non-Hodgkin's Lymphoma		M-9590:9595, 9670:9717, 9823:9827	C42.0, C42.1, C42.4
Multiple Myeloma		M-9731:9732	
Leukemia	Sum of subgroups		
Lymphocytic	Sum of subgroups		
Acute Lymphocytic		M-9821:9828	
Chronic Lymphocytic	C42.0, C42.1, C42.4	M-9823	
Other Lymphocytic		M-9820, 9822, 9824:9826	
Granulocytic (Myeloid)	Sum of subgroups		
Acute Myeloid		M-9840, 9861, 9866, 9867, 9871:9874	
Chronic Myeloid		M-9863:9868	
Other Myeloid		M-9860, 9862, 9864	
Monocytic	Sum of subgroups		
Acute Monocytic		M-9891	
Chronic Monocytic		M-9893	
Other Monocytic		M-9890, 9892, 9894	
Other	Sum of subgroups		
Other Acute		M-9801, 9841, 9931, 9932	
Other Chronic		M-9803, 9842	
Aleukemic, Subleukemic and NOS		M-9800, 9802, 9804, 9830, 9850, 9870, 9880, 9900, 9910, 9930, 9940, 9941, 9827	
Other, Ill-Defined and Unspecified Sites	C42.0, C42.1, C42.4		
	All Others		

Table 297. ICD-9 and ICD-10 Codes Used

Type of Cancer	ICD-9	ICD-10
Total	Sum	Sum
Lip, Oral Cavity and Pharynx	Sum of subgroups	Sum of subgroups
Lip	140	C00
Base of Tongue	141.0	C01
Other & Unspecified Parts of Tongue	141.1-141.9	C02
Parotid Gland	142.0	C07
Other & Unspecified Major Salivary glands	142.1-142.9	C08
Floor of Mouth	144	C04
Gum	143	C03
Palate	145.2-145.5	C05
Other & Unspecified Parts of Mouth	145.0, 145.1, 145.6-145.9	C06
Nasopharynx	147	C11
Tonsil	146.0-146.2	C09
Oropharynx	146.3-146.9	C10
Pyriform Sinus	148.1	C12
Hypopharynx	148.0, 148.2-148.9	C13
Other & Unspecified Oral (Buccal) Cavity & Pharynx	149	C14
Digestive System	Sum of Subgroups	Sum of Subgroups
Esophagus	150	C15
Stomach	151	C16
Small Intestine	152	C17
Colorectal	Sum of Colon, Rectum, Rectosigmoid Junction, Anus, Anal Canal and Anorectum	
Colon (excluding Rectum)	Sum of Subgroups	Sum of Subgroups
Cecum	153.4	C18.0
Appendix	153.5	C18.1
Ascending Colon	153.6	C18.2
Hepatic Flexure	153.0	C18.3
Transverse Colon	153.1	C18.4
Splenic Flexure	153.7	C18.5
Descending Colon	153.2	C18.6
Sigmoid Colon	153.3	C18.7
Large Intestine, NOS	153.8-153.9, 159.0	C18.8-C18.9, C26.0
Rectum	154.1	C20
Rectosigmoid Junction	154.0	C19
Anus, Anal Canal and Anorectum	154.2-154.8	C21
Liver	155.0, 155.2	C22.0, C22.2-C22.4, C22.7, C22.9
Intrahepatic Bile Ducts	155.1	C22.1
Gallbladder	156.0	C23
Other & Unspecified Biliary Tract	156.1-156.9	C24
Pancreas	157	C25
Retroperitoneum	158.0	C48.0
Peritoneum, Omentum and Mesentery	158.8-158.9	C45.1, C48.1, C48.2
Other Digestive Organs	159.8, 159.9	C26.8-C26.9, C48.8
Respiratory System	Sum of Subgroups	Sum of Subgroups
Nasal Cavity and Middle Ear	160.0, 160.1	C30
Accessory Sinuses	160.2-160.9	C31
Larynx	161	C32
Lung and Bronchus	162.2-162.9	C34
Pleura	163	C38.4, C45.0
Trachea	162.0	C33
Mediastinum and Other Respiratory Organs	164.2-164.9, 165	C38.1, C38.3, C38.8, C39
Bones, Joints and Articular Cartilage	Sum of Subgroups	Sum of Subgroups
Bones, Joints & Articular Cartilage of Limbs	170.4, 170.5, 170.7, 170.8	C40
Bones, Joints & Articular Cartilage of Other & Unspec Sites	170.0-170.3, 170.6, 170.9	C41
Soft Tissue (Including Heart)	Sum of Subgroups	Sum of Subgroups
Heart	164.1	C38.0
Peripheral Nerves & Autonomic Nervous System	---	C47
Connective, Subcutaneous & Other Soft Tissues	171	C49

Table 297. ICD-9 and ICD-10 Codes Used (Continued)

Type of Cancer	ICD-O Codes	
	Topography	Morphology
Skin (Excluding Basal And Squamous)	Sum of Subgroups	Sum of Subgroups
Melanomas Of The Skin	172	C43
Other Non-Epithelial Skin	173, 176	C44, C46
Breast	174-175	C50
Female Genital System	Sum of Subgroups	Sum of Subgroups
Cervix Uteri	180	C53
Corpus Uteri & Uterus, NOS	Sum of Corpus Uteri and Uterus, NOS	Sum of Corpus Uteri and Uterus, NOS
Corpus Uteri	182	C54
Uterus, NOS	179	C55
Ovary	183.0	C56
Vagina	184.0	C52
Vulva	184.1-184.4	C51
Placenta	181	C58
Other Female Genital Organs	183.2-183.9, 184.8, 184.9	C57
Male Genital System	Sum of Subgroups	Sum of Subgroups
Prostate	185	C61
Testis	186	C62
Penis	187.1-187.4	C60
Other Male Genital Organs	187.5-187.9	C63
Urinary System	Sum of Subgroups	Sum of Subgroups
Urinary Bladder	188	C67
Kidney and Renal Pelvis	Sum of Kidney and Renal Pelvis	Sum of Kidney and Renal Pelvis
Kidney	189.0	C64
Renal Pelvis	189.1	C65
Ureter	189.2	C66
Other Urinary Organs	189.3-189.9	C68
Eye and Orbit	190	C69
Brain and Other Central Nervous System	Sum of Subgroups	Sum of Subgroups
Brain	191	C71
Meninges	192.1, 192.3	C70
Spinal Cord, Cranial Nerves, & Other Parts of CNS	192.0, 192.2, 192.8, 192.9	C72
Endocrine System	Sum of Subgroups	Sum of Subgroups
Thyroid Gland	193	C73
Adrenal Gland	194.0	C74
Other Endocrine (Including Thymus)	164.0, 194.1-194.9	C37, C75
Hodgkin's Lymphoma	201	C81
Non-Hodgkin's Lymphoma	200, 202.8, 202.9, 202.0-202.2	C82-C85.9, C96.3
Multiple Myeloma	203.0, 238.6	C90.0, C90.2
Leukemia	Sum of subgroups	Sum of subgroups
Lymphocytic	Sum of subgroups	Sum of subgroups
Acute Lymphocytic	204.0	C91.0
Chronic Lymphocytic	204.1	C91.1
Other Lymphocytic	204.2-204.9	C91.2, C91.3, C91.7, C91.9
Granulocytic (Myeloid)	Sum of subgroups	Sum of subgroups
Acute Myeloid	205.0	C92.4, C92.5, C92.0
Chronic Myeloid	205.1	C92.1
Other Myeloid	205.2-205.9	C92.2, C92.3, C92.7, C92.9
Monocytic	Sum of subgroups	Sum of subgroups
Acute Monocytic	206.0	C93.0
Chronic Monocytic	206.1	C93.1
Other Monocytic	206.2-206.9	C93.2, C93.7, C93.9
Other	Sum of subgroups	
Other Acute	207.0, 208.0	C94.0, C95.0
Other Chronic	207.1, 208.1	C94.1, C95.1
Aleukemic, Subleukemic and NOS	202.4, 203.1, 207.2, 207.8, 208.2-208.9	C90.1, C94.7, C91.4, C91.5, C94.2, C94.5, C95.2, C95.7, C95.9
Other, Ill-Defined and Unspecified Sites	All Others	All Others

APPENDIX B – FORMULAS

AGE-ADJUSTED RATE:

$$\frac{E_t}{S_t} \times 100,000$$

$$E_t = \text{Total Expected Number of Events} = \sum_{i=1}^k E_i$$

$$S_t = \text{Total Standard Population} = \sum_{i=1}^k S_i$$

$$CR = \text{Crude Rate} = \frac{N_t}{P_t} \times 100,000$$

$$P_t = \text{Total State Population} = \sum_{i=1}^k P_i$$

$$N_t = \text{Total Number of Events} = \sum_{i=1}^k N_i$$

$$E_i = \text{Age-Specific Expected Number of Events} = \frac{N_i}{P_i} \times S_i$$

$$S_i = \text{Standard Age-Specific Population}$$

$$k = \text{Number of Age Groups}$$

AGE-ADJUSTED RATE

CONFIDENCE INTERVALS:

$$w_i = \frac{stdmil_i}{\left(pop_i \times \sum_{j=x}^y stdmil_j \right)}$$

$$w_m = \max(w_i)$$

$$v = \sum_{i=x}^y (w_i^2 \times count_i)$$

$$CI_{low} = \left(\frac{v}{2 \times rate} \right) \times \left(ChiInv \left(\frac{p}{2}, \frac{(2 \times rate^2)}{v} \right) \right) \times 100,000$$

$$CI_{upper} = \left(\frac{v + w_m^2}{2(rate + w_m)} \right) \times \left(ChiInv \left(1 - \frac{p}{2}, \frac{2(rate + w_m)^2}{(v + w_m^2)} \right) \right) \times 100,000$$

AGE-ADJUSTED RATE STANDARD ERROR:

$$SE_{AArate} = \left[\sum_{i=x}^y \left(\frac{stdmil_i}{\sum_{j=x}^y stdmil_j} \right)^2 \times \left(\frac{count_i}{population_i^2} \right) \right]^{1/2} \times 100,000$$

CAUSE SPECIFIC SURVIVAL RATE:

$$L_x = L_{x-1} - D_{x-1} - U_{x-1} - W_{x-1}$$

$$L_x^* = L_x - \frac{1}{2}(U_x + W_x)$$

$$P_x = 1 - \frac{D_x}{L_x^*}$$

$$CP_x = P_1, P_2, \dots, P_x$$

L_1 = Total number of cases included in table

L_x = Number of cases alive at beginning of interval x

L_x^* = Adjusted number of cases alive at during interval x

D_x = Number of cases dying from Cancer during interval x

U_x = Number of cases untraced (lost to follow up) during interval x , where the definition for “lost to follow up” is: alive with follow up date prior to some prescribed date

W_x = Number of cases withdrawn alive during interval x , where the definition of “withdrawn alive” is: alive with follow up date later than some specified date (This is the same as in previous definition.)

P_x = Cause specific survival rate for interval x

CP_x = Cumulative cause specific survival rate

CRUDE RATE:

$$CR = \frac{\text{Number of Events}}{\text{Population}} \times 100,000$$

CRUDE RATE CONFIDENCE INTERVALS:

$$CI_{lower} = \left(\frac{100,000}{\text{Population}} \right) \times \left(\text{Events} - \left(1.96 \times \sqrt{\text{Events}} \right) \right)$$

$$CI_{upper} = \left(\frac{100,000}{\text{Population}} \right) \times \left(\text{Events} + \left(1.96 \times \sqrt{\text{Events}} \right) \right)$$

MEDIAN SURVIVAL RATE:

$$\text{Median Survival} = (\text{Interval} - 1) + \left(\frac{(CP_{x-1} - .5)}{(CP_{x-1} - CP_x)} \right)$$

ELSE IF: CP_x for first interval is less than .5, then median survival:

$$\text{Median Survival} = \frac{.5}{(1 - CP_x)}$$

ELSE IF: CP_x for interval is equal to .5, then median survival:

$$\text{Median Survival} = \text{Interval}$$

CP_x = Cumulative cause specific survival rate for interval x

PERCENTAGE (BRFSS) CONFIDENCE INTERVALS:

$$CI_{lower} = \text{Weighted \%} - 1.96 \times \sqrt{\frac{\text{Weighted \%} \times (1 - \text{Weighted \%})}{\text{Total Responses}}}$$

$$CI_{upper} = \text{Weighted \%} + 1.96 \times \sqrt{\frac{\text{Weighted \%} \times (1 - \text{Weighted \%})}{\text{Total Responses}}}$$

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FEEDBACK AND SUGGESTIONS

In a continuing effort to provide an annual Cancer Report that is useful to the communities of Nevada, feedback and suggestions on the information contained in this report is welcome. An electronic form is also available for completion at: <http://health2k.state.nv.us/nihds/cancer/1997-2001Report/feedback>.

Please return the completed survey by mail, fax or email to:

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Bureau of Health Planning and Statistics
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Carson City, NV 89701
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Overview	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cancer Incidence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inpatient Discharge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mortality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Survival Rate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(PLEASE CONTINUE SURVEY ON NEXT PAGE)

4. Please rate the information on specific types of cancer included in this report:

Type of Information	Extremely Helpful 5	4	Somewhat Helpful 3	2	Not Helpful 1	Not Applicable 0
Type of Cancer						
All Cancers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lung and Bronchus	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Breast	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Prostate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Colorectal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Urinary Bladder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-Hodgkin's Lymphoma	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kidney & Renal Pelvis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Leukemia	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lip, Oral Cavity & Pharynx	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pancreas	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All Other Cancers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other Comments:

If you would like to be put onto the mailing list for future editions of this report, please fill out the following information and return it to the address listed at the top of this survey:

Hard Copy ☐Email Notification ☐

Name: _____ Title: _____ Phone: _____

Business Organization or Affiliation: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Email Address: _____